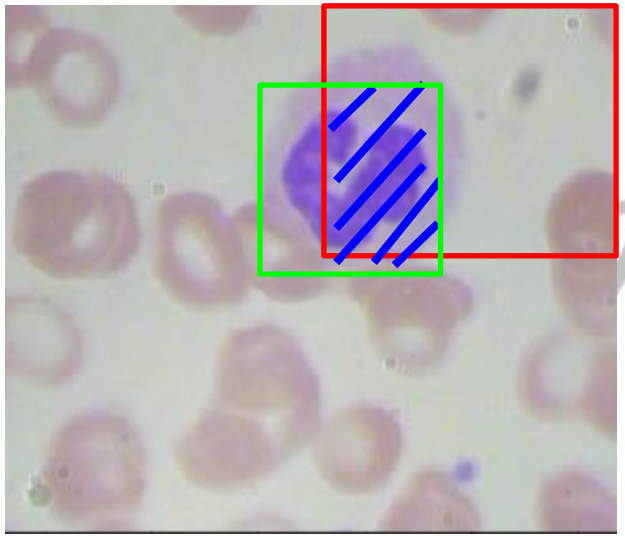
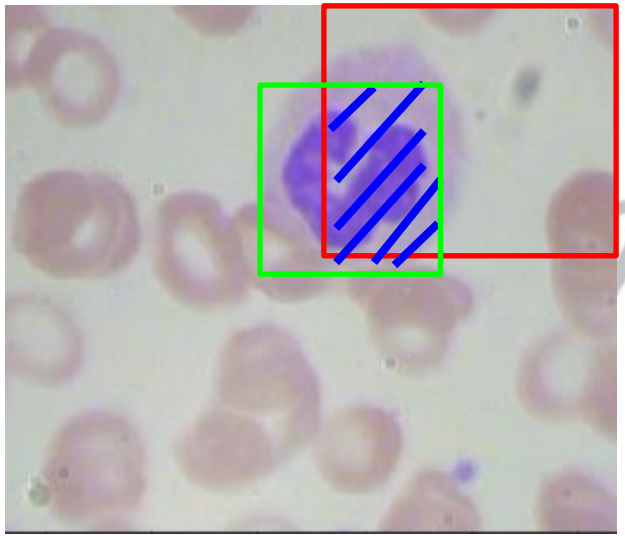
Calculating Intersection Over Union

Area of Intersection

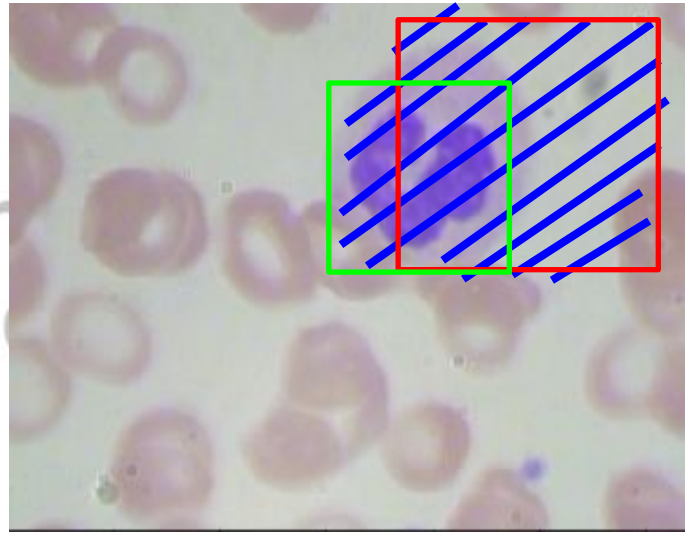


Area of intersection

Area of Union

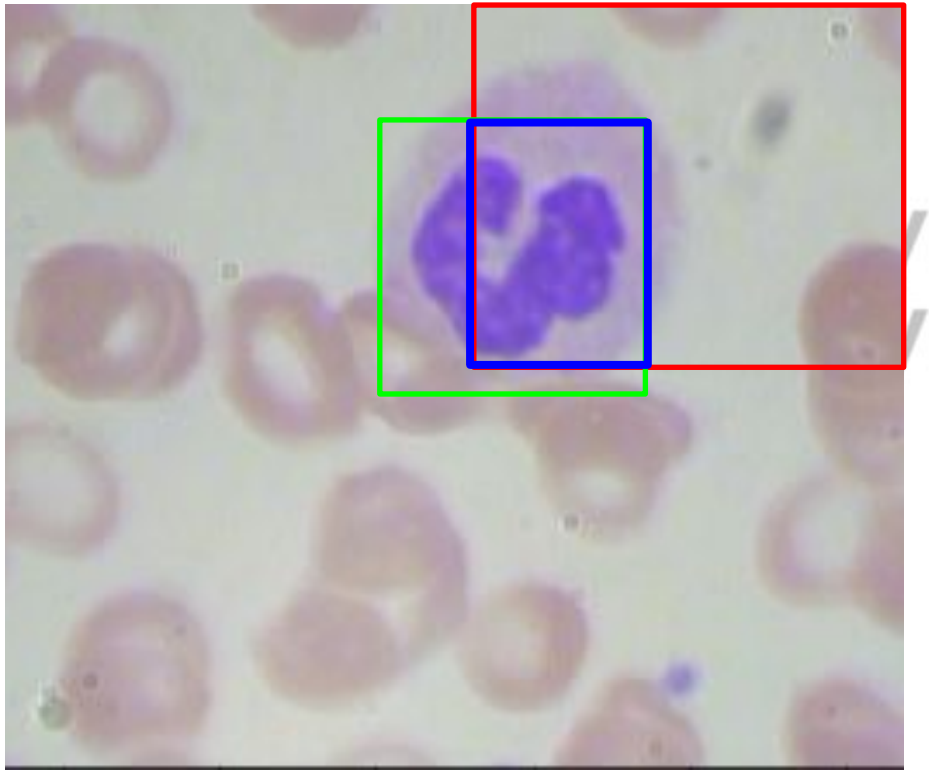


Area of intersection

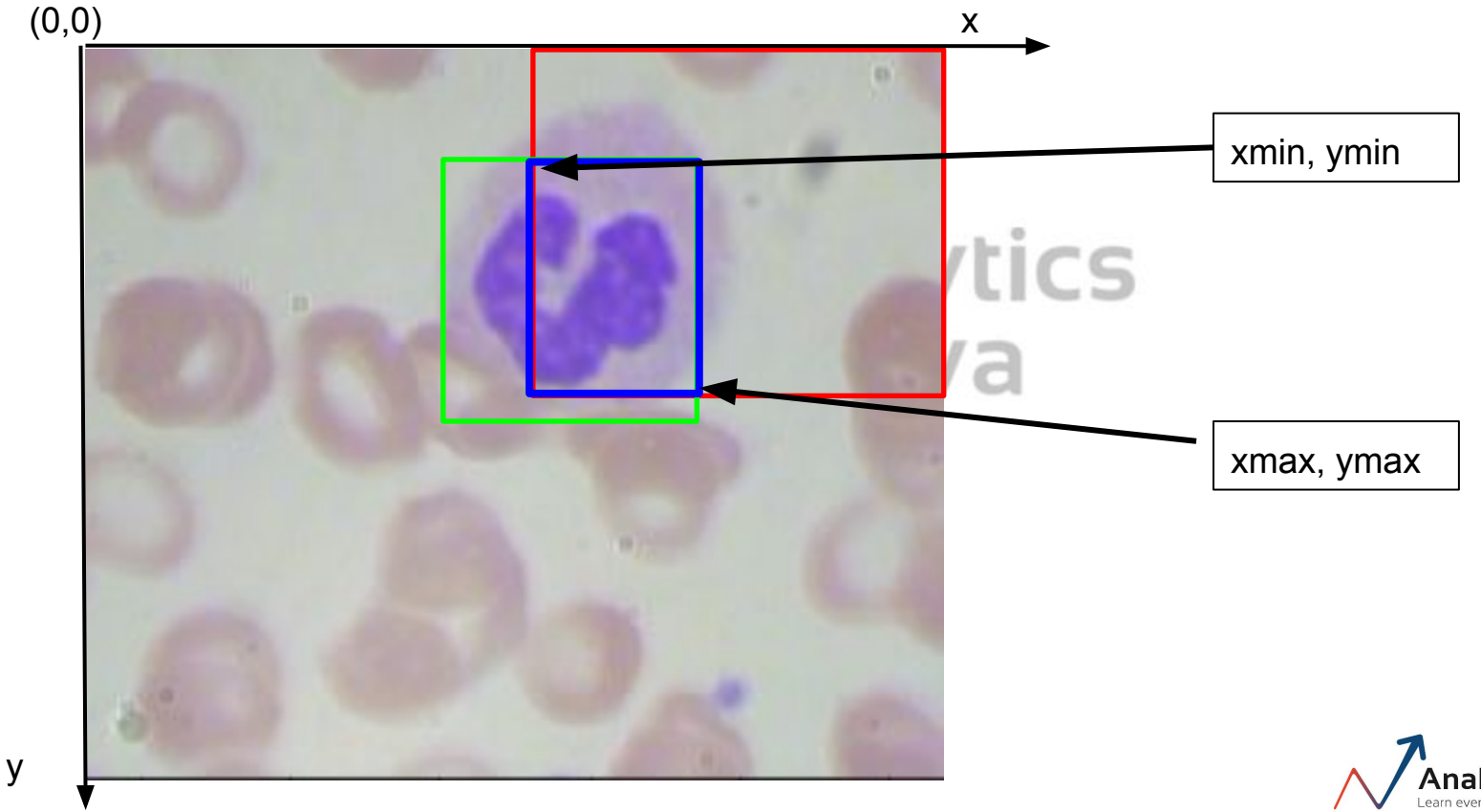


Area of union

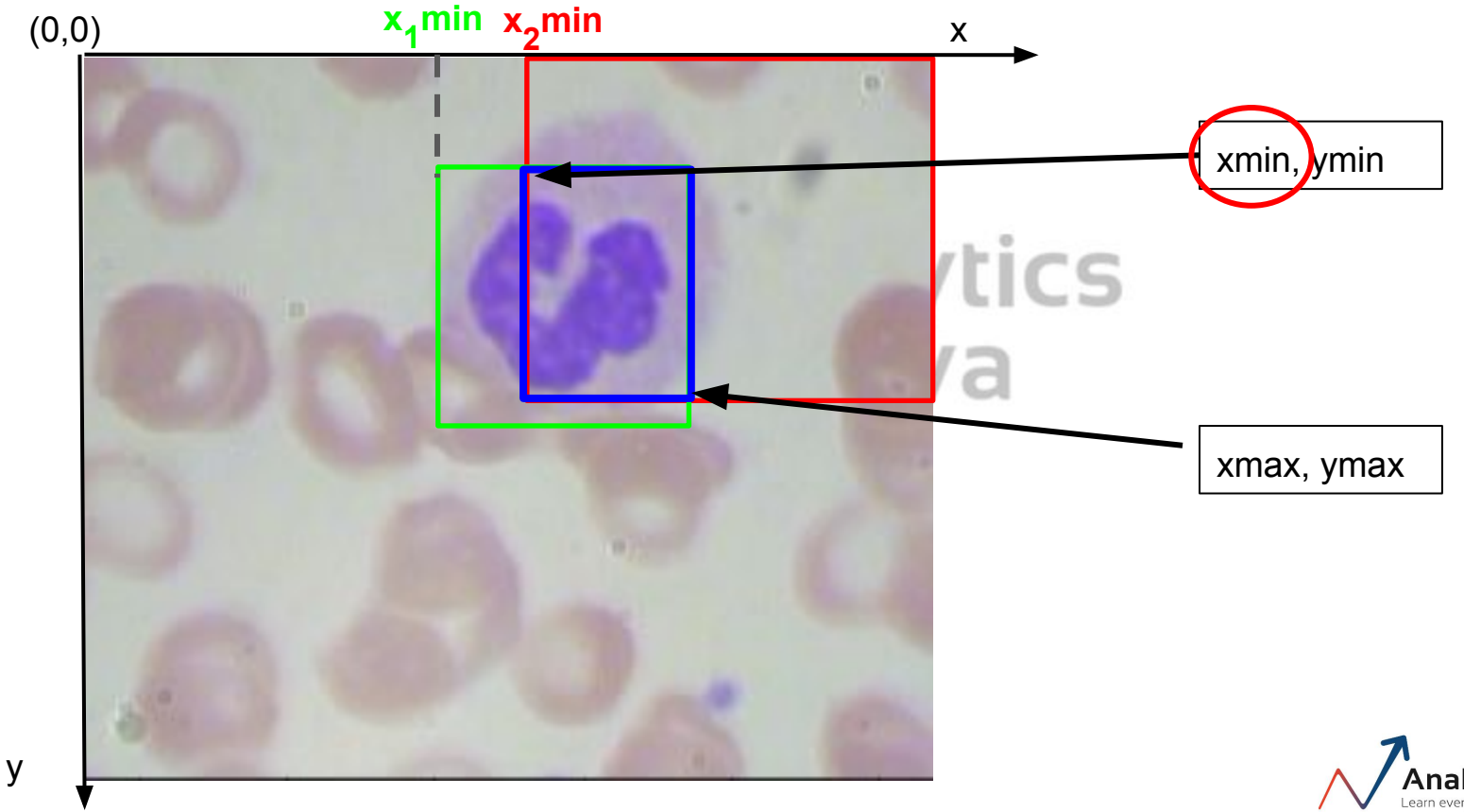
Area of Intersection



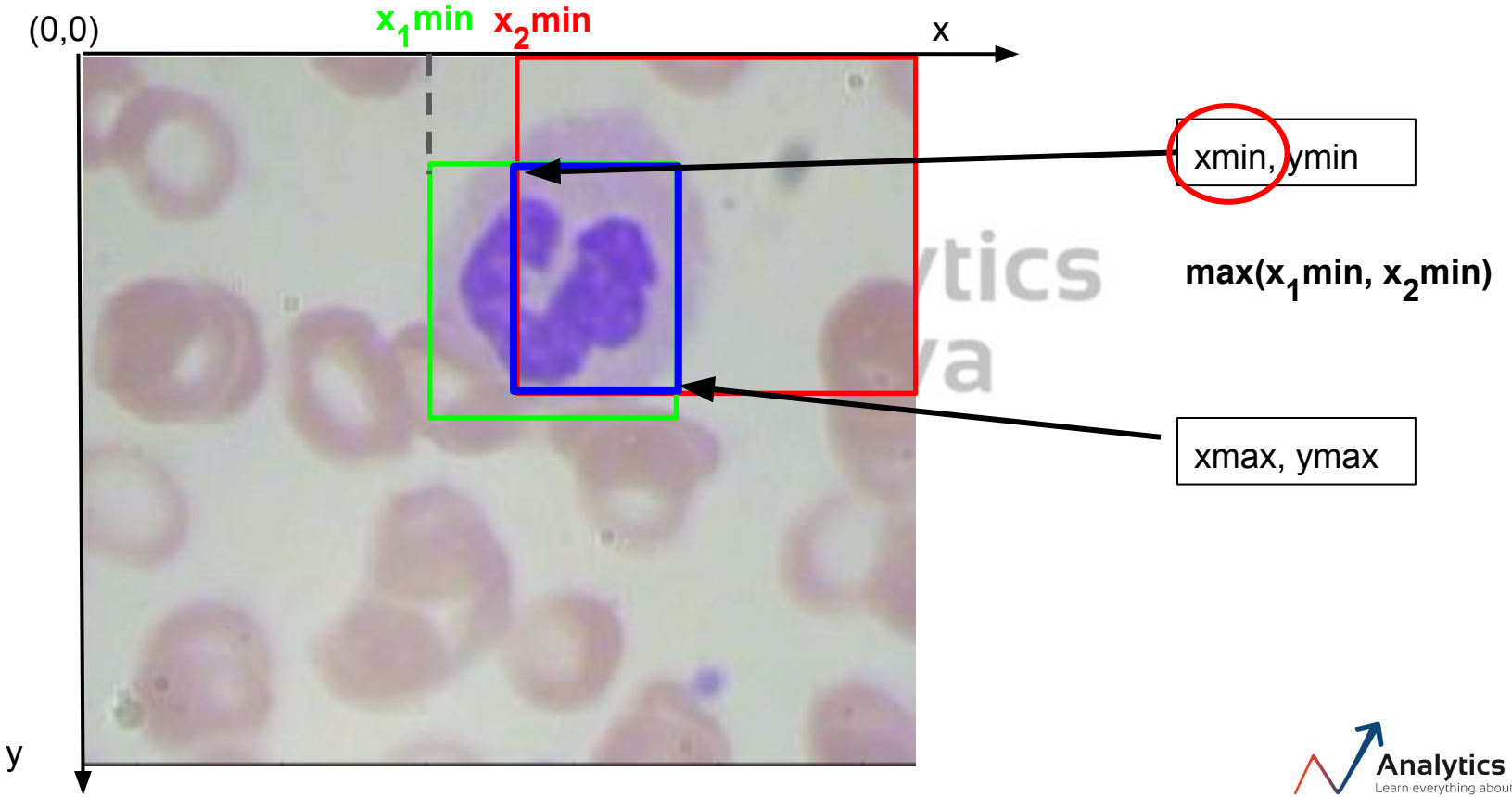
Area of Intersection



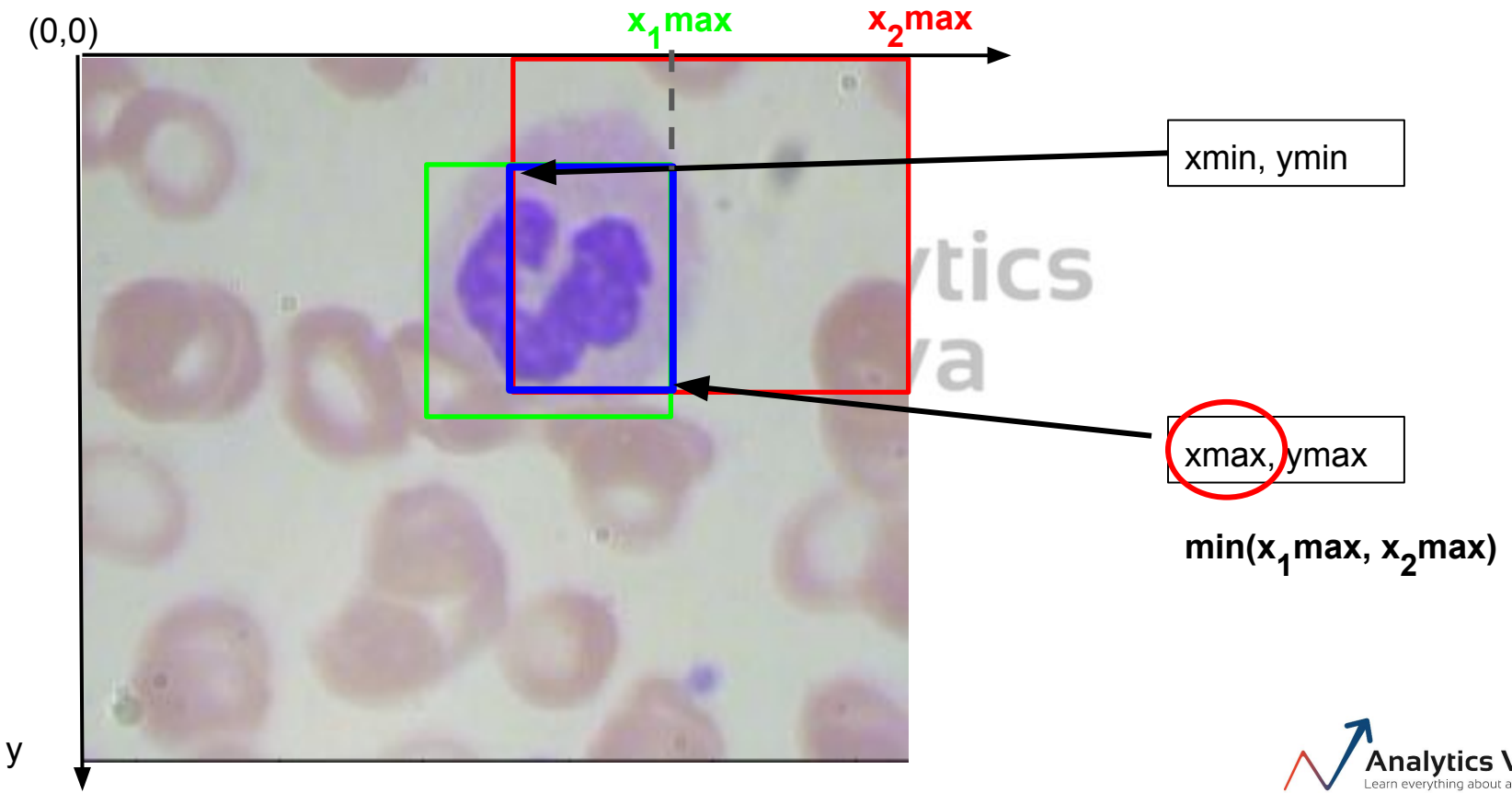
Area of Intersection



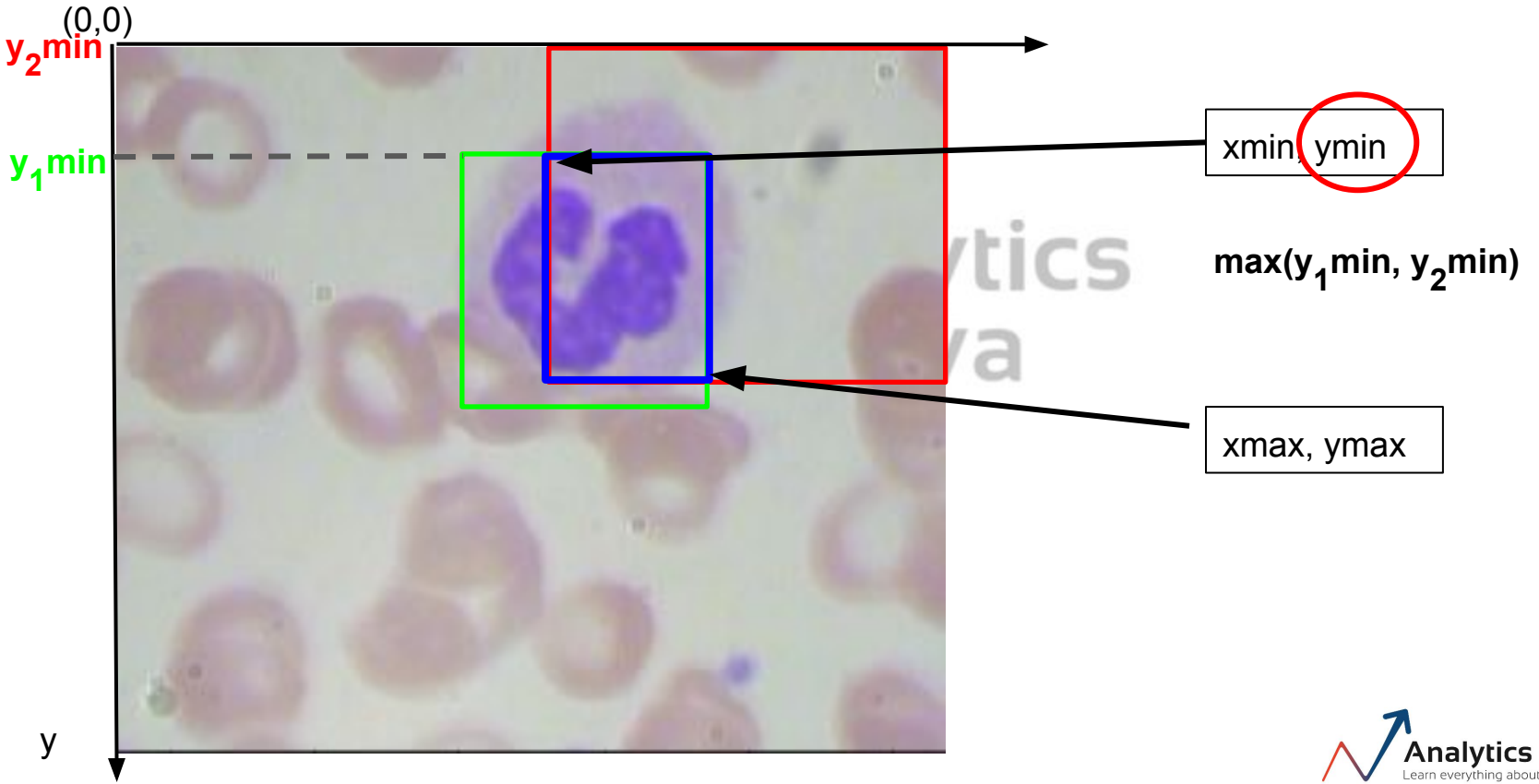
Area of Intersection



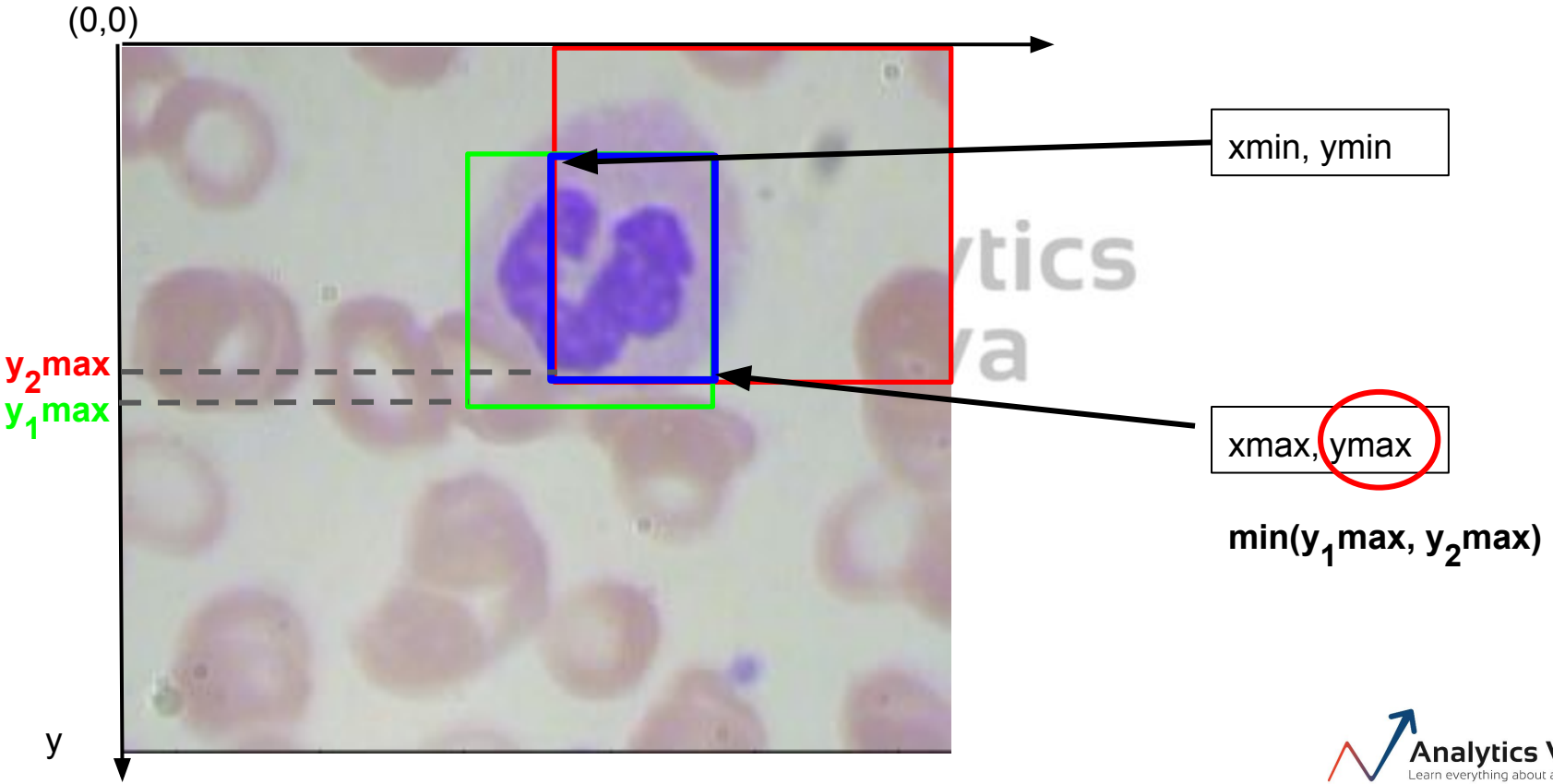
Area of Intersection



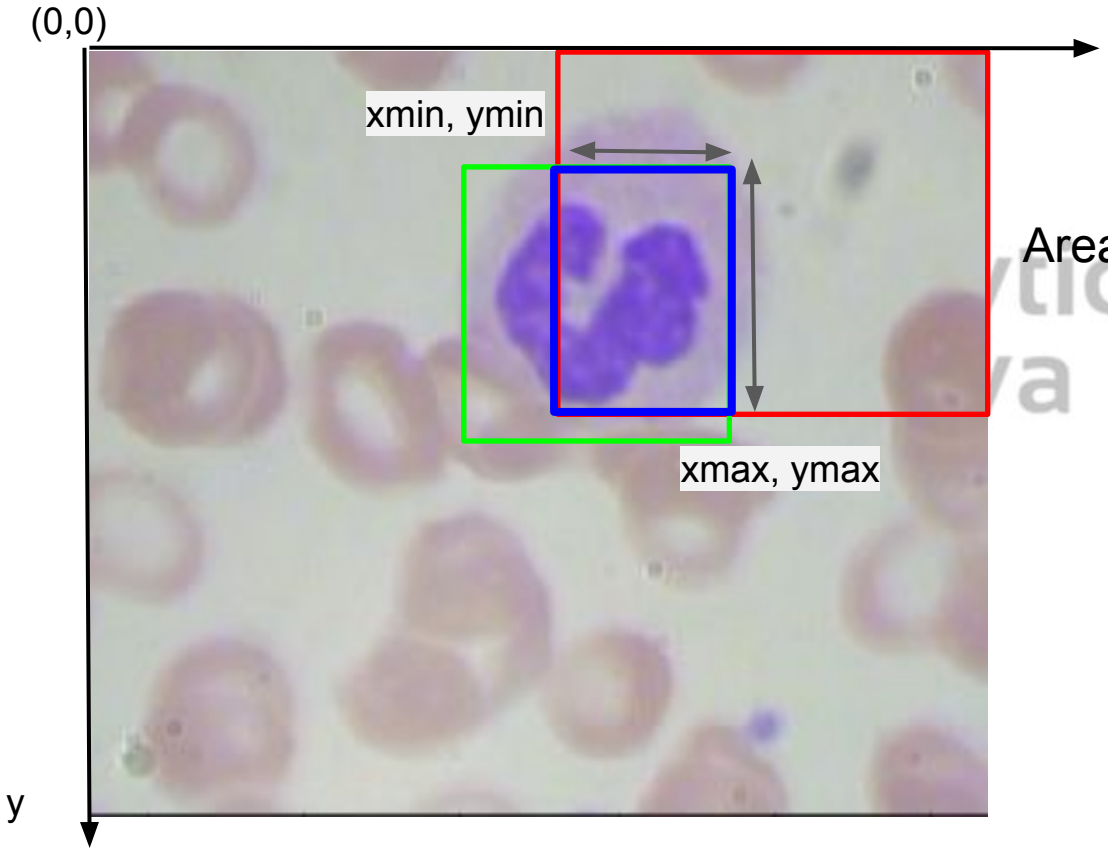
Area of Intersection



Area of Intersection



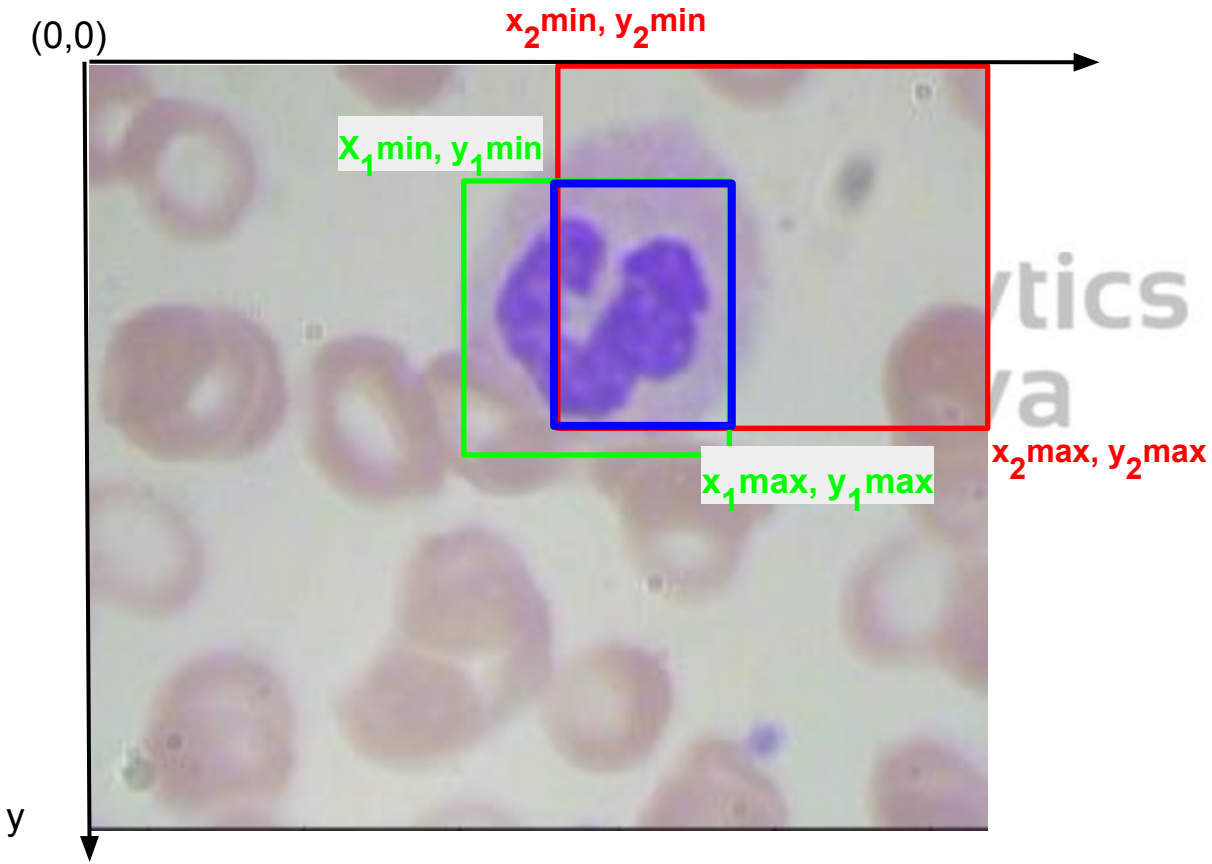
Area of Intersection



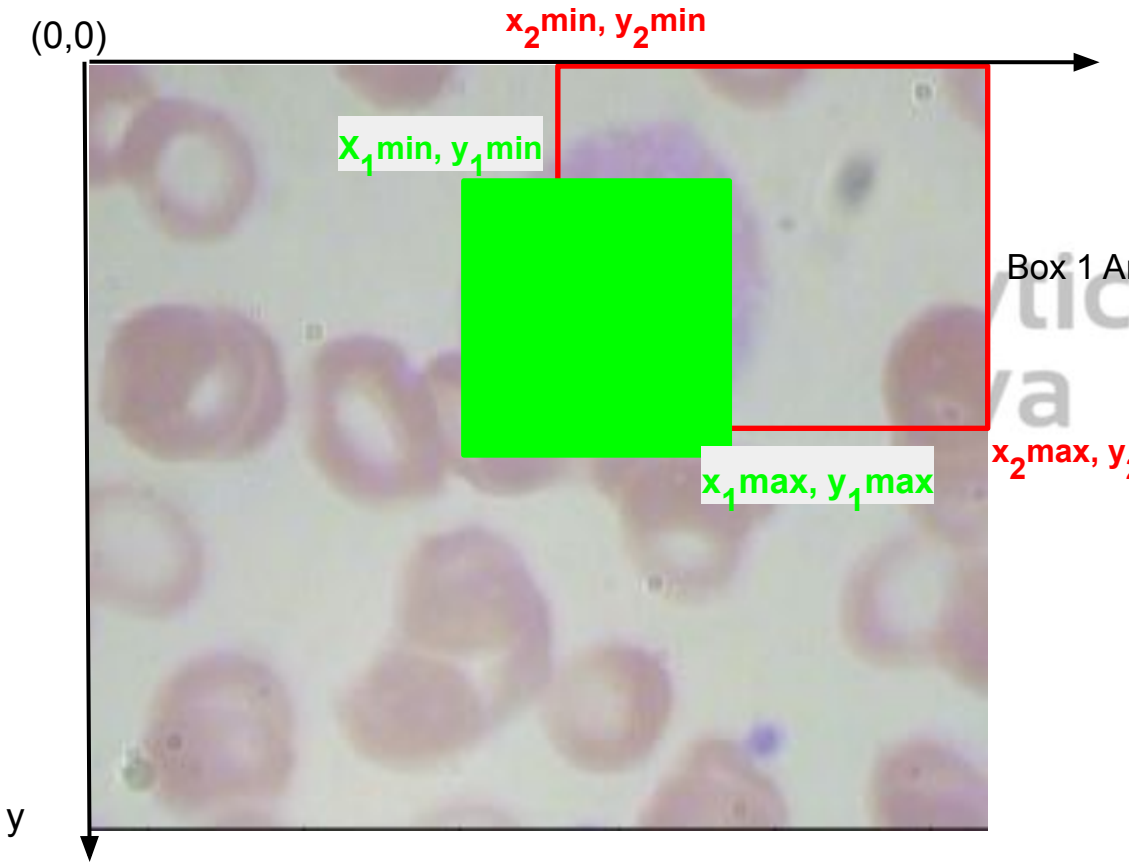
Area of intersection =

$$(x_{max} - x_{min}) * (y_{max} - y_{min})$$

Area of Union

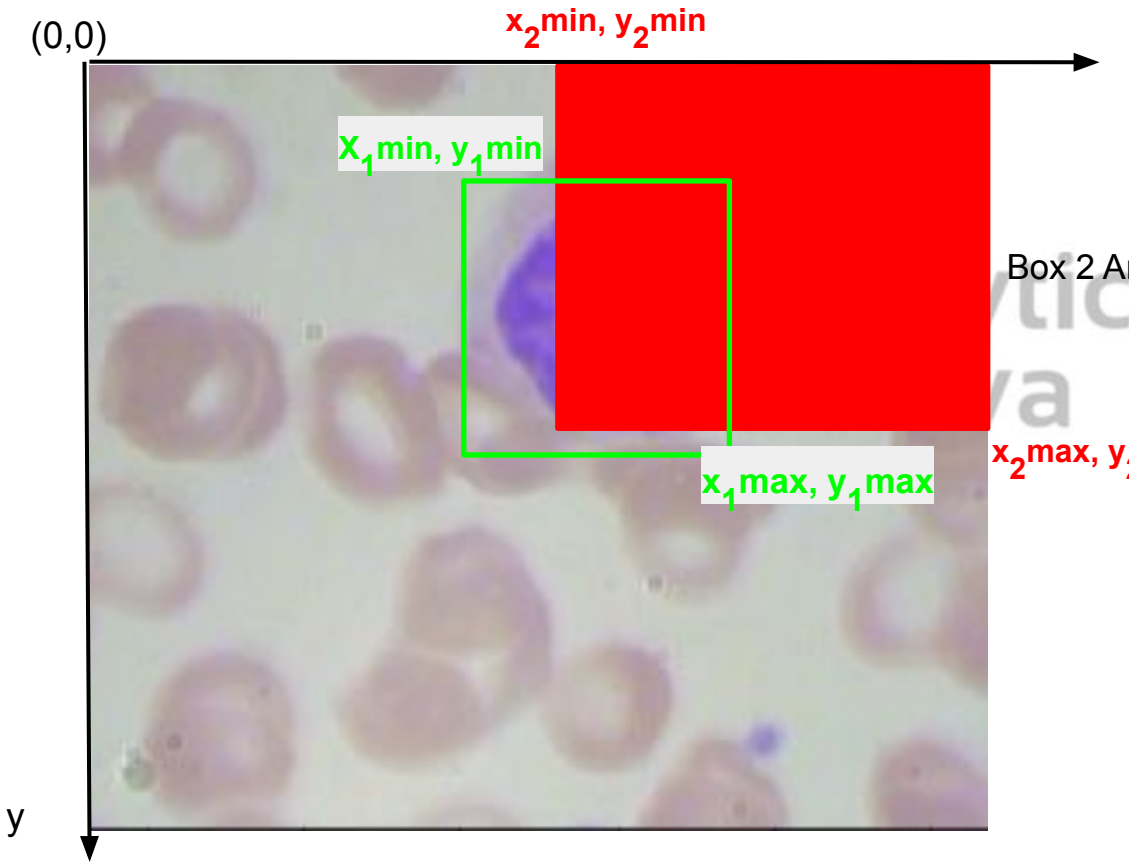


Area of Union



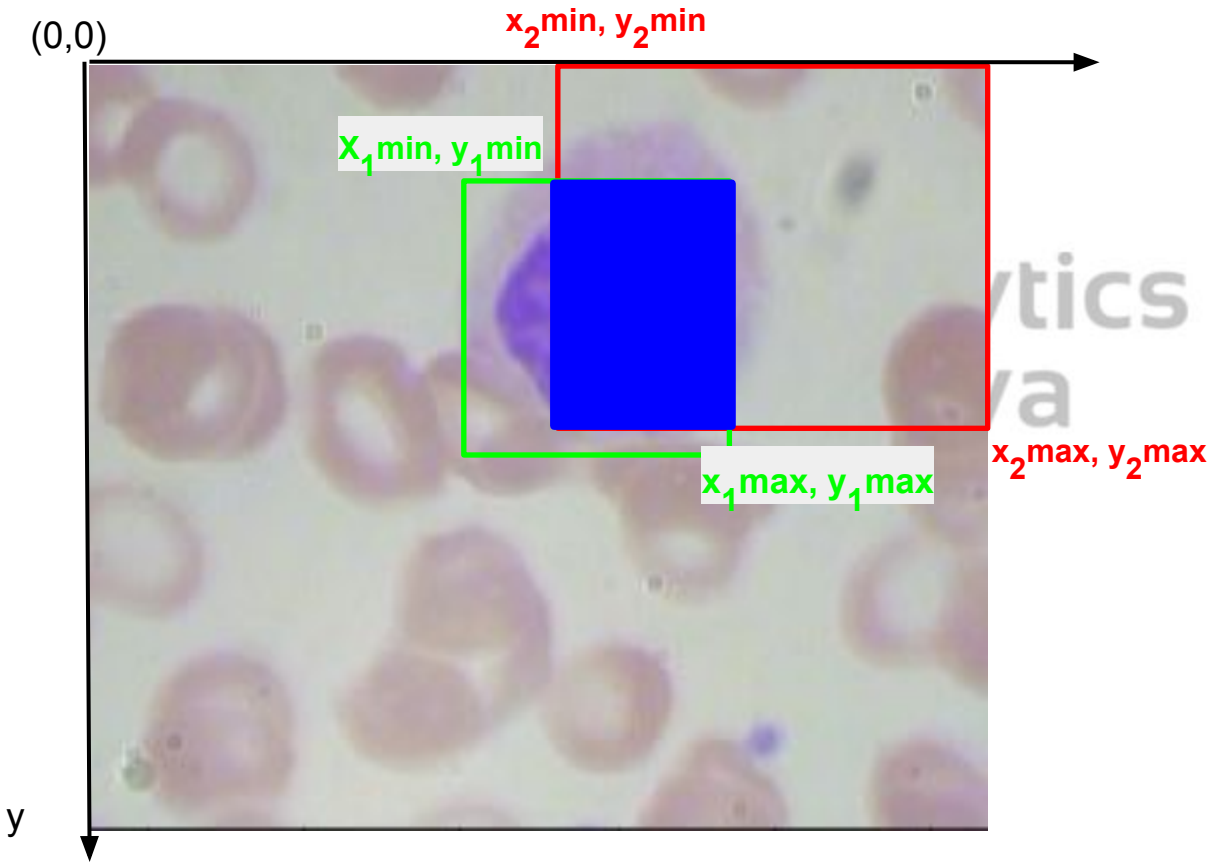
Box 1 Area = $(x1_{max} - x1_{min}) * (y1_{max} - y1_{min})$

Area of Union

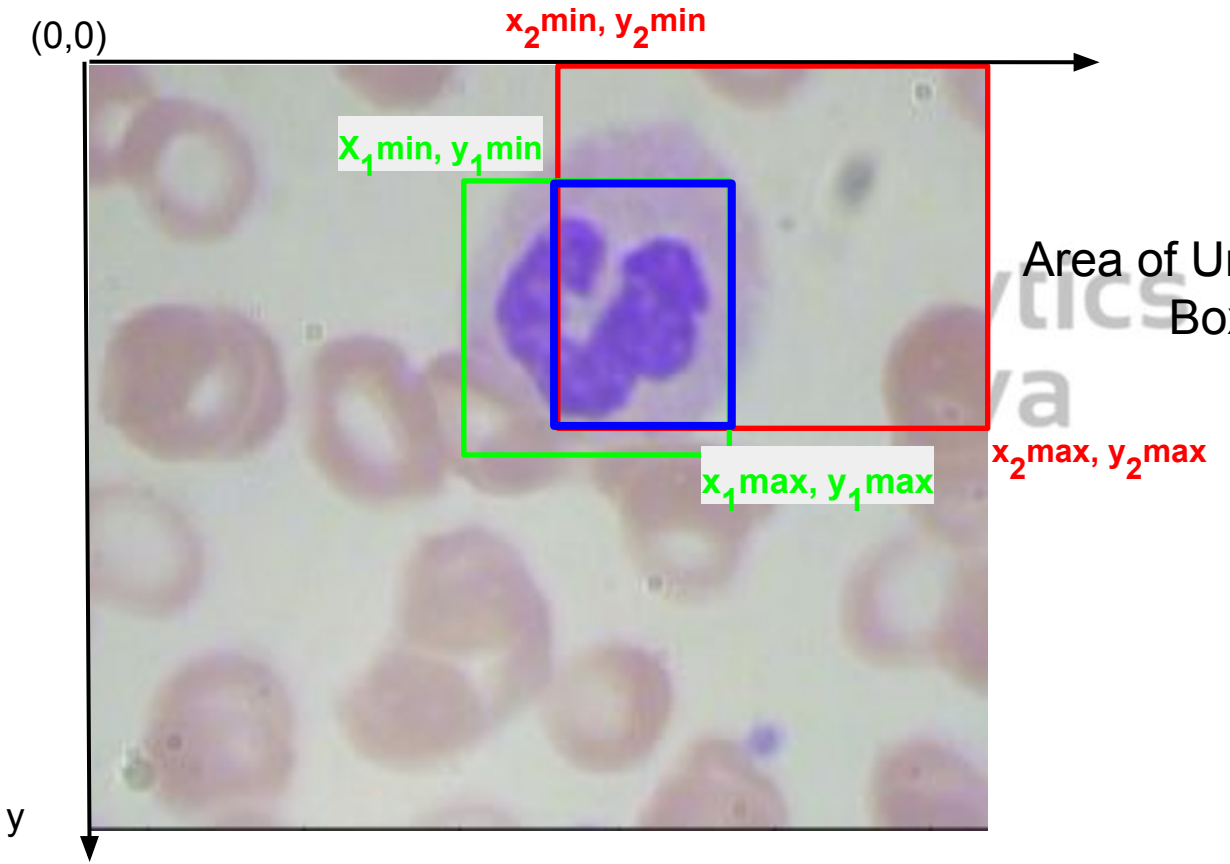


Box 2 Area = $(x2_{max} - x2_{min}) * (y2_{max} - y2_{min})$

Area of Union



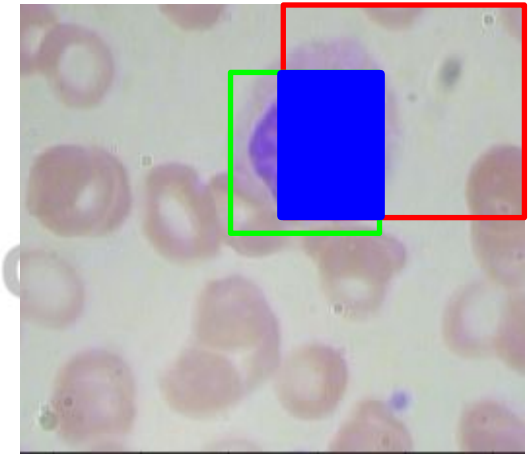
Area of Union



Area of Union =
Box 1 + Box 2 - Intersection

Intersection over Union

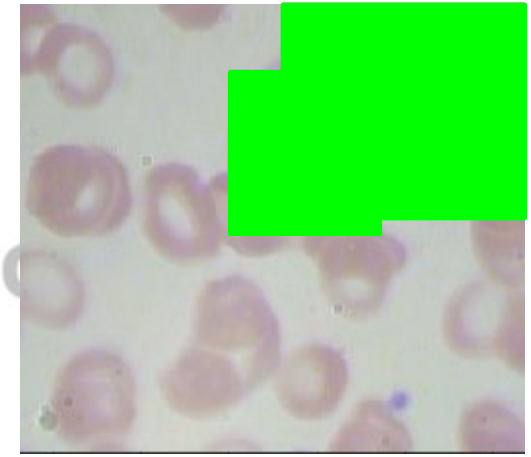
Area of intersection = $(x_{max} - x_{min}) * (y_{max} - y_{min})$



Intersection over Union

Area of intersection = $(x_{max} - x_{min}) * (y_{max} - y_{min})$

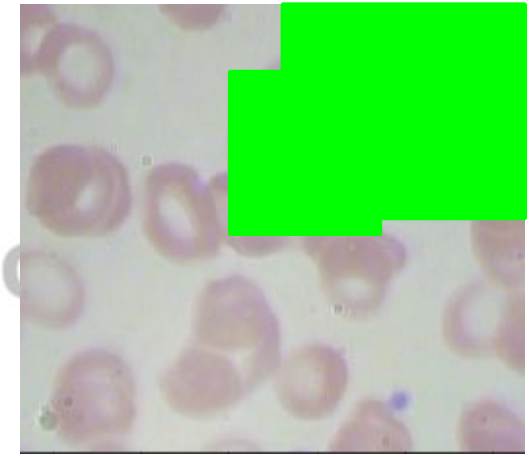
Area of Union = Box 1 + Box 2 - Intersection



Intersection over Union

Area of intersection = $(x_{max} - x_{min}) * (y_{max} - y_{min})$

Area of Union = Box 1 + Box 2 - Intersection



Intersection over Union = Area of Intersection / Area of Union

Thank You