## **Packed HSV formats**

## **Description**

The hue (h) is measured in degrees, the equivalence between degrees and LSBs depends on the hsv-encoding used, see ref colorspaces'. The saturation (s) and the value (v) are measured in percentage of the cylinder: 0 being the smallest value and 255 the maximum

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The values are packed in 24 or 32 bit formats.

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 $..\ \ tabular columns::\ |p\{2.6cm\}|p\{0.8cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|p\{0.22cm\}|$ 

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master/Documentation/userspace-api/media/v41\(linux-master) (Documentation) (userspace-api) (media) (v41)pixfmt-packed-hsv.rst, line 31)
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                       .. flat-table:: Packed HSV Image Formats
                                                 :header-rows: 2
:stub-columns: 0
                                            * - Identifier

- Code

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- :cspan:'7' Byte 0 in memory

- :cspan:'7' Byte 1

- :cspan:'7' Byte 2

- :cspan:'7' Byte 3

*
                                                            - Bit
- 7
- 6
- 5
- 4
- 3
                                                   * .. _V4L2=PIX=FMT=HSV32:
                                                              - ``V4L2_PIX_FMT_HSV32``
- 'HSV4'
                                                            - h\ :sub:`7`
- h\ :sub:`6`
- h\ :sub:`4`
- h\ :sub:`3`
- h\ :sub:`2`
- h\ :sub:`1`
- h\ :sub:`0`
                                                            - s\ :sub:`7`
- s\ :sub:`6`
- s\ :sub:`5`
- s\ :sub:`3`
- s\ :sub:`2`
- s\ :sub:`1`
- s\ :sub:`0`
                                               - v\ :sub: '7'
- v\ :sub: '6'
- v\ :sub: '5'
- v\ :sub: '4'
- v\ :sub: '3'
- v\ :sub: '2'
- v\ :sub: '1'
- v\ :sub: '0'
* . __V4L2-PIX-FMT-HSV24:
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- ``V4L2\_PIX\_FMT\_HSV24``

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- 'HSV3'
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- h\ saub:'6'
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- h\ saub:'1'
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- s\ saub:'6'
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- s\ saub:'5'
- s\ saub:'1'
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