

**V4L2\_PIX\_FMT\_SRGGB8 ('RGGB'),**  
**V4L2\_PIX\_FMT\_SGRBG8 ('GRBG'),**  
**V4L2\_PIX\_FMT\_SGBRG8 ('GBRG'),**  
**V4L2\_PIX\_FMT\_SBGGR8 ('BA81'),**

## 8-bit Bayer formats

### Description

These four pixel formats are raw sRGB / Bayer formats with 8 bits per sample. Each sample is stored in a byte. Each n-pixel row contains n/2 green samples and n/2 blue or red samples, with alternating red and blue rows. They are conventionally described as GRGR... BGBG..., RGRG... GBGB..., etc. Below is an example of a small V4L2\_PIX\_FMT\_SBGGR8 image:

**Byte Order.** Each cell is one byte.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\linux-master) (Documentation) (userspace-api) (media) (v4l)pixfmt-srggb8.rst, line 32)**

Unknown directive type "flat-table".

```
.. flat-table::
   :header-rows: 0
   :stub-columns: 0

   * - start + 0:
     - B\ :sub:`00`
     - G\ :sub:`01`
     - B\ :sub:`02`
     - G\ :sub:`03`
   * - start + 4:
     - G\ :sub:`10`
     - R\ :sub:`11`
     - G\ :sub:`12`
     - R\ :sub:`13`
   * - start + 8:
     - B\ :sub:`20`
     - G\ :sub:`21`
     - B\ :sub:`22`
     - G\ :sub:`23`
   * - start + 12:
     - G\ :sub:`30`
     - R\ :sub:`31`
     - G\ :sub:`32`
     - R\ :sub:`33`
```