

Converting Colors

$Y_{xy}(25.7937, 0.2102, 0.1894)$

Have a look what the booklet for
Yxy(25.7937, 0.2102, 0.1894)
contains.

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Color

Yxy(25.9788, 0.2104, 0.1898)

Conversions

Conversions Part 1

Format	Color
Hex	6387EB
RGB	99, 135, 235
RGB Percent	39%, 53%, 92%
CMY	0.6121, 0.4705, 0.0784
CMYK	0.58, 0.43, 0.00, 0.08
HSL	224°, 77%, 65%
HSV	224°, 58%, 92%
XYZ	28.7984, 25.9788, 82.0974
YIQ	135.6360, -53.5560, 23.4680

Conversions

Conversions Part 2

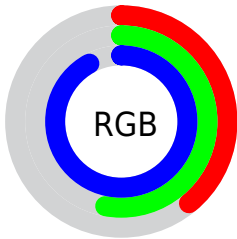
Format	Color
R _Y B	99, 127, 235
Decimal	6522859
CIE Lab	58.02, 16.79, -54.42
CIE LCh	58, 56.949, 287.144
Yxy	25.9788, 0.2104, 0.1898
Android (android.graphics.Color)	4284712939 (0xFF6387EB)
YUV	135.6360, 48.9865, -32.1298
Hunter-Lab	50.9694, 11.6585, -59.8210

Details

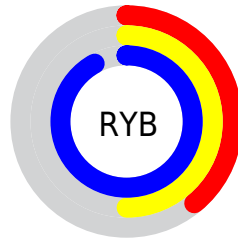
The Yxy color **25.9788, 0.2104, 0.1898** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **59.3661, 0.4169, 0.4348**, and the grayscale version is **24.3012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5574, 0.2484, 0.2495**, and **10.1299, 0.1802, 0.1535** is the 20% darker color. If you saturate the color by 10%, you get **20.4097, 0.1934, 0.1619**, and if you desaturate by 10%, it is **32.7159, 0.2288, 0.2178**.

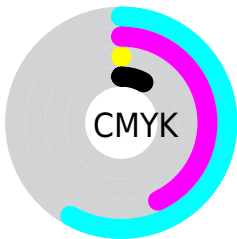
Distribution



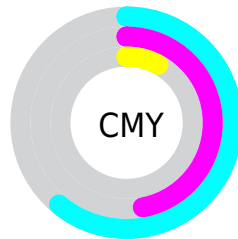
- Red (39%)
- Green (53%)
- Blue (92%)



- Red (39%)
- Yellow (50%)
- Blue (92%)



- Cyan (58%)
- Magenta (43%)
- Yellow (0%)
- Black (8%)



- Cyan (61%)
- Magenta (47%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.9788, 0.2104, 0.1898 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 25.9788, 0.2104, 0.1898 by changing the saturation by 10% instead.

■ 25.9788, 0.2104,
0.1898

■ 25.9788, 0.2104,
0.1898

■ 282.6780, 0.2638,
0.2587

■ 16.8078, 0.1970,
0.1737

■ 53.2407, 0.2300,
0.2142

■ 10.0975, 0.1802,
0.1538

■ 72.1005, 0.2373,
0.2236

■ 5.4637, 0.1584,
0.1292

■ 94.9585, 0.2435,
0.2316

■ 2.5218, 0.1300,
0.0988

■ 122.1993, 0.2487,
0.2385

■ 0.8875, 0.0933,
0.0626

■ 154.2073, 0.2533,
0.2445

■ 0.0000, 0.0295,
0.0000

■ 191.3668, 0.2572,

■ 0.0000, 0.0000,

0.2498

0.0000

234.0622, 0.2607,
0.2545

■ 25.9788, 0.2104,
0.1898

■ 25.9788, 0.2104,
0.1898

■ 20.4097, 0.1934,
0.1619

■ 32.7159, 0.2288,
0.2178

■ 15.9341, 0.1788,
0.1356

■ 40.6838, 0.2476,
0.2449

■ 12.4713, 0.1674,
0.1123


■ 49.9437, 0.2662,
0.2703

■ 9.9210, 0.1596,
0.0931

■ 60.5517, 0.2839,
0.2935

■ 9.4807, 0.1582,
0.0896

■ 72.5605, 0.3005,
0.3143

 86.0198, 0.3158,
0.3327

 98.7785, 0.3244,
0.3483

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.9788, 0.1663, 0.1976



25.9788, 0.2104, 0.1898



25.9788, 0.2872, 0.2089

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.9788, 0.2104, 0.1898



25.9788, 0.5016, 0.3742



25.9788, 0.2297, 0.4290

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.9788, 0.2104, 0.1898



59.3661, 0.4169, 0.4348

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.9788, 0.3133, 0.5020



25.9788, 0.2104, 0.1898



25.9788, 0.4717, 0.4416

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.9788, 0.2104, 0.1898



25.9788, 0.4709, 0.3089



25.9788, 0.4014, 0.4966



25.9788, 0.1738, 0.3205

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.9788, 0.2104, 0.1898



25.9788, 0.3523, 0.2348



25.9788, 0.4014, 0.4966



25.9788, 0.2555, 0.4609

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.9796, 0.2104, 0.1898



74.0203, 0.2853, 0.2953



66.1782, 0.2570, 0.3770



15.2572, 0.2819, 0.2908



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.9796, 0.2104, 0.1898



23.7356, 0.1912, 0.1581



19.7060, 0.2223, 0.1523



15.1988, 0.2980, 0.3112



5.4543, 0.1590, 0.0922



0.5818, 0.1663, 0.1187

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.3213, 0.4418, 0.2904



28.3584, 0.4839, 0.2872



73.0510, 0.3713, 0.4787



15.1197, 0.3251, 0.3228



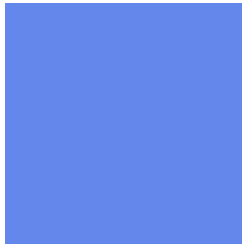
10.0434, 0.5878, 0.3012



0.8041, 0.5485, 0.2795

Previews

White Background



This preview shows how the Yxy color 25.9788, 0.2104, 0.1898 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 25.9788, 0.2104, 0.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

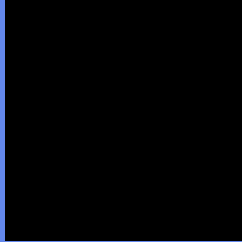
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.9788, 0.2104, 0.1898

Background



This preview shows how black text looks on a background with the Yxy color 25.9788, 0.2104, 0.1898.

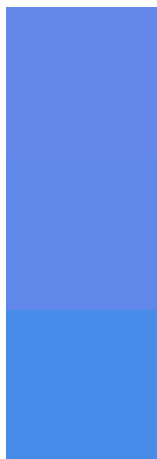


This preview shows how white text looks on a background with the Yxy color 25.9788, 0.2104, 0.1898.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.9788, 0.2104, 0.1898

Protanopia

26.0933, 0.2092, 0.1907

Deuteranopia

26.0744, 0.2001, 0.1940



Tritanopia

26.0428, 0.2374, 0.3071

Trichromacy



Original Color

25.9788, 0.2104, 0.1898

Protanomaly

26.1479, 0.2097, 0.1909

Deuteranomaly

25.9113, 0.2035, 0.1923

Tritanomaly

25.6304, 0.2259, 0.2559

Monochromacy



Original Color

25.9788, 0.2104, 0.1898

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.7978, 0.2662, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9788, 0.2104, 0.1898 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 135, 235)` looks like.

```
.text, #text, p{  
  color:rgb(99, 135, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 135, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 135, 235) }
```

Border

The CSS property to change the border of an element to Yxy 25.9788, 0.2104, 0.1898 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 135, 235) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(99, 135, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(99, 135, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 135, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 135, 235);  
box-shadow:4px 4px 4px 4px rgb(99, 135,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9788, 0.2104, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 135, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 135,  
235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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