

Converting Colors

$Y_{xy}(27.3695, 0.2087, 0.2099)$

Have a look what the booklet for
Yxy(27.3695, 0.2087, 0.2099)
contains.

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Color

Yxy(27.4911, 0.2087, 0.2106)

Conversions

Conversions Part 1

Format	Color
Hex	5191E2
RGB	81, 145, 226
RGB Percent	32%, 57%, 89%
CMY	0.6823, 0.4313, 0.1138
CMYK	0.64, 0.36, 0.00, 0.11
HSL	214°, 71%, 60%
HSV	214°, 64%, 89%
XYZ	27.2431, 27.4911, 75.8029
YIQ	135.0980, -64.1450, 11.6230

Conversions

Conversions Part 2

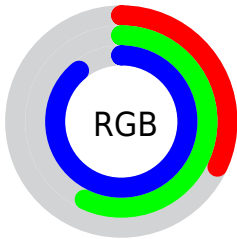
Format	Color
RYP	81, 125, 226
Decimal	5345762
CIELab	59.43, 4.55, -47.21
CIElCh	59, 47.432, 275.510
Yxy	27.4911, 0.2087, 0.2106
Android (android.graphics.Color)	4283535842 (0xFF5191E2)
YUV	135.0980, 44.8147, -47.4439
Hunter-Lab	52.4320, 0.9908, -49.0154

Details

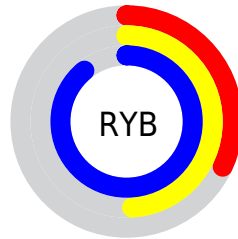
The Yxy color **27.4911, 0.2087, 0.2106** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **42.5897, 0.4489, 0.4178**, and the grayscale version is **24.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8176, 0.2411, 0.2615**, and **11.0867, 0.1830, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **23.0088, 0.1952, 0.1887**, and if you desaturate by 10%, it is **32.7358, 0.2240, 0.2324**.

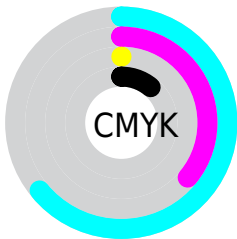
Distribution



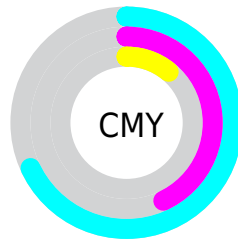
- Red (32%)
- Green (57%)
- Blue (89%)



- Red (32%)
- Yellow (49%)
- Blue (89%)



- Cyan (64%)
- Magenta (36%)
- Yellow (0%)
- Black (11%)



- Cyan (68%)
- Magenta (43%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.4911, 0.2087, 0.2106 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 27.4911, 0.2087, 0.2106 by changing the saturation by 10% instead.

■ 27.4911, 0.2087,
0.2106

■ 27.4911, 0.2087,
0.2106

■ 290.0271, 0.2623,
0.2708

■ 17.9424, 0.1953,
0.1959

■ 55.6709, 0.2283,
0.2324

■ 10.9086, 0.1784,
0.1774

■ 75.0708, 0.2356,
0.2406

■ 6.0054, 0.1566,
0.1538

■ 98.5233, 0.2418,
0.2476

■ 2.8484, 0.1281,
0.1234

■ 126.4126, 0.2472,
0.2536

■ 1.0531, 0.0908,
0.0845

■ 159.1233, 0.2517,
0.2587

■ 0.0000, 0.0092,
0.0000

■ 197.0397, 0.2557,

■ 0.0000, 0.0000,

0.2633

0.0000

240.5462, 0.2592,
0.2673

■ 27.4911, 0.2087,
0.2106

■ 27.4911, 0.2087,
0.2106

■ 23.0088, 0.1952,
0.1887

■ 32.7358, 0.2240,
0.2324

■ 19.2377, 0.1839,
0.1674

■ 38.7832, 0.2403,
0.2534


■ 16.1222, 0.1753,
0.1475


■ 45.6734, 0.2572,
0.2733

■ 14.5588, 0.1713,
0.1366

■ 53.4424, 0.2741,
0.2916

■ 62.1241, 0.2906,
0.3083

 71.7503, 0.3064,
0.3233

 82.3512, 0.3214,
0.3366

 92.6457, 0.3308,
0.3486

 98.2696, 0.3298,
0.3572

Harmonies

Analogous

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



27.4911, 0.1807, 0.2293



27.4911, 0.2087, 0.2106



27.4911, 0.2644, 0.2179

Triad

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



27.4911, 0.2087, 0.2106



27.4911, 0.4647, 0.3492



27.4911, 0.2712, 0.4375

Complementary

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



27.4911, 0.2087, 0.2106



42.5897, 0.4489, 0.4178

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.



27.4911, 0.3458, 0.4746



27.4911, 0.2087, 0.2106



27.4911, 0.4611, 0.4068

Square

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



27.4911, 0.2087, 0.2106



27.4911, 0.4191, 0.2936



27.4911, 0.4156, 0.4561



27.4911, 0.2119, 0.3570

Rectangle

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



27.4911, 0.2087, 0.2106



27.4911, 0.3145, 0.2354



27.4911, 0.4156, 0.4561



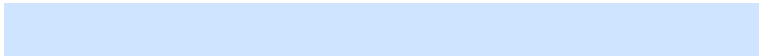
27.4911, 0.2954, 0.4564

Sweetspot

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



27.4920, 0.2087, 0.2106



75.8745, 0.2824, 0.3002



58.6922, 0.2668, 0.4233



15.5472, 0.2777, 0.2953



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.



27.4920, 0.2087, 0.2106



28.4927, 0.1911, 0.1814



13.4623, 0.1925, 0.1251



14.2342, 0.2981, 0.3156



8.5359, 0.1721, 0.1395



0.7679, 0.1804, 0.1693

Inverse Universe

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



24.0947, 0.4244, 0.2594



26.4068, 0.4616, 0.2543



69.9904, 0.3958, 0.4792



13.8006, 0.3223, 0.3187



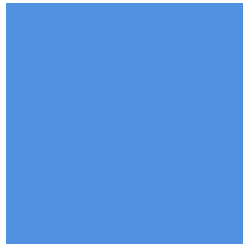
9.7697, 0.5198, 0.2637



0.6950, 0.4815, 0.2426

Previews

White Background



This preview shows how the Yxy color 27.4911, 0.2087, 0.2106 looks on a white background.

Color Contrast Check

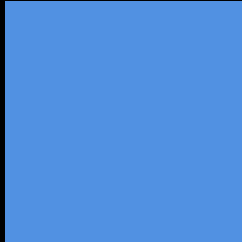
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4911, 0.2087, 0.2106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

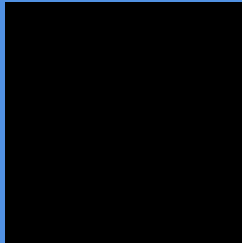
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

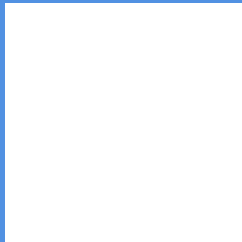
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.4911, 0.2087, 0.2106

Background



This preview shows how black text looks on a background with the Yxy color 27.4911, 0.2087, 0.2106.

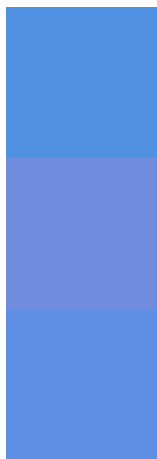


This preview shows how white text looks on a background with the Yxy color 27.4911, 0.2087, 0.2106.

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

27.4911, 0.2087, 0.2106

Protanopia

27.4214, 0.2262, 0.2131

Deuteranopia

27.6239, 0.2143, 0.2084



Tritanopia

27.6566, 0.2282, 0.3074

Trichromacy



Original Color

27.4911, 0.2087, 0.2106

Protanomaly

27.4404, 0.2191, 0.2120

Deuteranomaly

27.6662, 0.2121, 0.2092

Tritanomaly

27.4923, 0.2197, 0.2671

Monochromacy



Original Color

27.4911, 0.2087, 0.2106

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.9372, 0.2628, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4911, 0.2087, 0.2106 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(81, 145, 226)` looks like.

```
.text, #text, p{  
  color:rgb(81, 145, 226)  
}
```

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(81, 145, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 145, 226) }
```

Border

The CSS property to change the border of an element to Yxy 27.4911, 0.2087, 0.2106 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(81, 145, 226) }
```

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

```
.border{ border-color:rgb(81, 145, 226) }
```

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

Here you see how a box with a 4 pixel rgb(81, 145, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 145, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 145, 226);  
box-shadow:4px 4px 4px 4px rgb(81, 145,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4911, 0.2087, 0.2106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 145, 226) }
```

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

```
.background{ background-color: rgb(81, 145,  
226) }
```

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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