

Converting Colors

$Y_{xy}(25.8092, 0.2128, 0.2112)$

Have a look what the booklet for
Yxy(25.8092, 0.2128, 0.2112)
contains.

Yxy(25.8969, 0.2128, 0.2112)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.8969, 0.2128, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	578CDB
RGB	87, 140, 219
RGB Percent	34%, 55%, 86%
CMY	0.6588, 0.4510, 0.1412
CMYK	0.60, 0.36, 0.00, 0.14
HSL	216°, 65%, 60%
HSV	216°, 60%, 86%
XYZ	26.0931, 25.8969, 70.6279
YIQ	133.1590, -56.9470, 13.3330

Conversions

Conversions Part 2

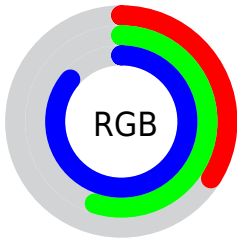
Format	Color
R _Y B	87, 125, 219
Decimal	5737691
CIE Lab	57.94, 6.26, -45.65
CIE LCh	58, 46.075, 277.807
Yxy	25.8969, 0.2128, 0.2112
Android (android.graphics.Color)	4283927771 (0xFF578CDB)
YUV	133.1590, 42.3196, -40.4814
Hunter-Lab	50.8890, 2.4693, -46.6652

Details

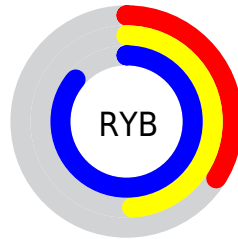
The Yxy color **25.8969, 0.2128, 0.2112** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **43.0140, 0.4345, 0.4194**, and the grayscale version is **23.3763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4709, 0.2420, 0.2543**, and **9.9927, 0.1822, 0.1758** is the 20% darker color. If you saturate the color by 10%, you get **21.3940, 0.1980, 0.1879**, and if you desaturate by 10%, it is **31.1773, 0.2291, 0.2343**.

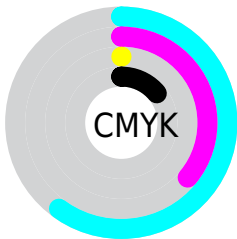
Distribution



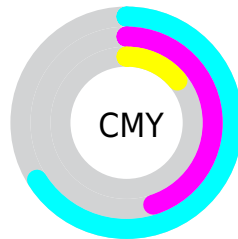
- Red (34%)
- Green (55%)
- Blue (86%)



- Red (34%)
- Yellow (49%)
- Blue (86%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8969, 0.2128, 0.2112 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 25.8969, 0.2128, 0.2112 by changing the saturation by 10% instead.

■ 25.8969, 0.2128,
0.2112

■ 25.8969, 0.2128,
0.2112

282.2756, 0.2651,
0.2716

■ 16.7465, 0.1995,
0.1963

■ 53.1086, 0.2321,
0.2332

■ 10.0539, 0.1826,
0.1774

■ 71.9387, 0.2392,
0.2414

■ 5.4347, 0.1605,
0.1532

■ 94.7641, 0.2453,
0.2484

■ 2.5045, 0.1311,
0.1217

■ 121.9693, 0.2504,
0.2544

■ 0.8789, 0.0922,
0.0813

153.9387, 0.2548,
0.2596

■ 0.0000, 0.0000,
0.0000

191.0566, 0.2587,

0.2641

233.7074, 0.2621,
0.2681

■ 25.8969, 0.2128,
0.2112

■ 25.8969, 0.2128,
0.2112

■ 21.3940, 0.1980,
0.1879

■ 31.1773, 0.2291,
0.2343

■ 17.6201, 0.1853,
0.1650

■ 37.2739, 0.2462,
0.2564

■ 14.5236, 0.1753,
0.1436

■ 44.2256, 0.2635,
0.2771

■ 12.0818, 0.1680,
0.1248

■ 52.0676, 0.2805,
0.2961

■ 60.8330, 0.2968,
0.3133

70.5531, 0.3123,
0.3286

81.2576, 0.3268,
0.3422

91.5840, 0.3353,
0.3545

97.8935, 0.3340,
0.3641

Harmonies

Analogous

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



25.8969, 0.1829, 0.2277



25.8969, 0.2128, 0.2112



25.8969, 0.2701, 0.2203

Triad

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



25.8969, 0.2128, 0.2112



25.8969, 0.4648, 0.3536



25.8969, 0.2664, 0.4313

Complementary

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



25.8969, 0.2128, 0.2112



43.0140, 0.4345, 0.4194

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.



25.8969, 0.3399, 0.4725



25.8969, 0.2128, 0.2112



25.8969, 0.4577, 0.4106

Square

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



25.8969, 0.2128, 0.2112



25.8969, 0.4231, 0.2979



25.8969, 0.4101, 0.4580



25.8969, 0.2094, 0.3503

Rectangle

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



25.8969, 0.2128, 0.2112



25.8969, 0.3207, 0.2386



25.8969, 0.4101, 0.4580



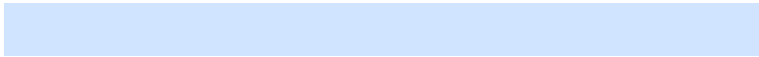
25.8969, 0.2900, 0.4513

Sweetspot

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



25.8978, 0.2128, 0.2112



76.0191, 0.2840, 0.2999



55.3604, 0.2659, 0.4094



15.5299, 0.2791, 0.2946



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.



25.8978, 0.2128, 0.2112



28.8637, 0.1948, 0.1824



14.5290, 0.2033, 0.1391



13.4711, 0.2982, 0.3146



7.3667, 0.1688, 0.1275



0.6432, 0.1778, 0.1601

Inverse Universe

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



23.7691, 0.4218, 0.2684



27.8657, 0.4582, 0.2625



64.7493, 0.3886, 0.4743



13.1377, 0.3229, 0.3196



9.3674, 0.5361, 0.2727



0.6236, 0.4930, 0.2490

Previews

White Background



This preview shows how the Yxy color 25.8969, 0.2128, 0.2112 looks on a white background.

Color Contrast Check

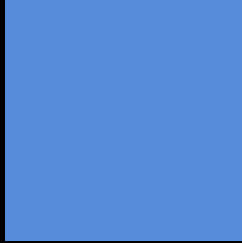
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8969, 0.2128, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

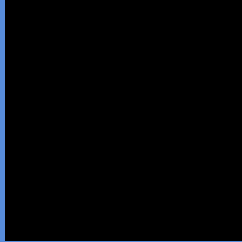
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

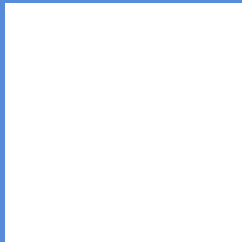
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8969, 0.2128, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 25.8969, 0.2128, 0.2112.



This preview shows how white text looks on a background with the Yxy color 25.8969, 0.2128, 0.2112.

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

25.8969, 0.2128, 0.2112

Protanopia

25.7658, 0.2263, 0.2130

Deuteranopia

25.9594, 0.2162, 0.2107



Tritanopia

25.8377, 0.2333, 0.3052

Trichromacy



Original Color

25.8969, 0.2128, 0.2112

Protanomaly

25.6159, 0.2210, 0.2120

Deuteranomaly

25.8039, 0.2145, 0.2102

Tritanomaly

25.6677, 0.2247, 0.2660

Monochromacy



Original Color

25.8969, 0.2128, 0.2112

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.0017, 0.2663, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8969, 0.2128, 0.2112 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(87, 140, 219)` looks like.

```
.text, #text, p{  
  color:rgb(87, 140, 219)  
}
```

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(87, 140, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 140, 219) }
```

Border

The CSS property to change the border of an element to Yxy 25.8969, 0.2128, 0.2112 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(87, 140, 219) }
```

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

```
.border{ border-color:rgb(87, 140, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 140, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 140, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 140, 219);  
box-shadow:4px 4px 4px 4px rgb(87, 140,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8969, 0.2128, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 140, 219) }
```

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

```
.background{ background-color: rgb(87, 140,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor