

Converting Colors

$Y_{xy}(27.0277, 0.2182, 0.2124)$

Have a look what the booklet for
Yxy(27.0277, 0.2182, 0.2124)
contains.

Yxy(26.8669, 0.2181, 0.2122)	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(26.8669, 0.2181, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	628DDD
RGB	98, 141, 221
RGB Percent	38%, 55%, 87%
CMY	0.6156, 0.4471, 0.1334
CMYK	0.56, 0.36, 0.00, 0.13
HSL	219°, 64%, 63%
HSV	219°, 56%, 87%
XYZ	27.6139, 26.8669, 72.1304
YIQ	137.2630, -51.3080, 15.7640

Conversions

Conversions Part 2

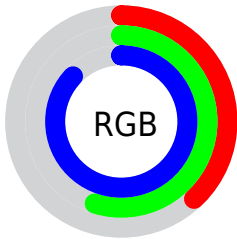
Format	Color
R_{YB}	98, 130, 221
Decimal	6458845
CIE _{Lab}	58.85, 8.52, -45.29
CIE _{LCh}	59, 46.089, 280.657
Yxy	26.8669, 0.2181, 0.2122
Android (android.graphics.Color)	4284648925 (0xFF628DDD)
YUV	137.2630, 41.2823, -34.4337
Hunter-Lab	51.8333, 4.3867, -46.2237

Details

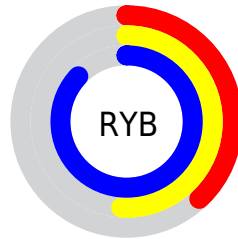
The Yxy color **26.8669, 0.2181, 0.2122** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **48.1026, 0.4192, 0.4206**, and the grayscale version is **24.9790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8715, 0.2478, 0.2566**, and **10.4901, 0.1893, 0.1789** is the 20% darker color. If you saturate the color by 10%, you get **21.8351, 0.2018, 0.1870**, and if you desaturate by 10%, it is **32.7902, 0.2355, 0.2369**.

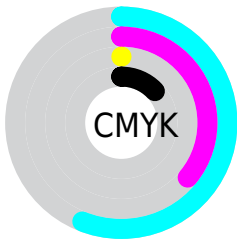
Distribution



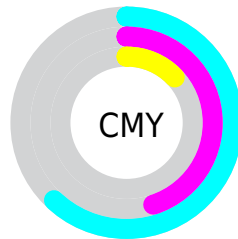
- Red (38%)
- Green (55%)
- Blue (87%)



- Red (38%)
- Yellow (51%)
- Blue (87%)



- Cyan (56%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)



- Cyan (62%)
- Magenta (45%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8669, 0.2181, 0.2122 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 26.8669, 0.2181, 0.2122 by changing the saturation by 10% instead.

■ 26.8669, 0.2181,
0.2122

■ 26.8669, 0.2181,
0.2122

287.0121, 0.2676,
0.2716

■ 17.4733, 0.2055,
0.1976

■ 54.6702, 0.2363,
0.2337

■ 10.5725, 0.1895,
0.1792

■ 73.8487, 0.2431,
0.2419

■ 5.7802, 0.1684,
0.1557

■ 97.0576, 0.2488,
0.2487

■ 2.7119, 0.1403,
0.1251

■ 124.6813, 0.2537,
0.2546

■ 0.9832, 0.1024,
0.0857

157.1042, 0.2579,
0.2597

■ 0.0000, 0.0177,
0.0000

194.7107, 0.2615,

■ 0.0000, 0.0000,

0.2642

0.0000

237.8852, 0.2647,
0.2681

■ 26.8669, 0.2181,
0.2122

■ 26.8669, 0.2181,
0.2122

■ 21.8351, 0.2018,
0.1870

■ 32.7902, 0.2355,
0.2369

■ 17.6424, 0.1874,
0.1622

■ 39.6475, 0.2534,
0.2604

■ 14.2338, 0.1757,
0.1390

■ 47.4818, 0.2710,
0.2822

■ 11.5444, 0.1670,
0.1183

■ 56.3320, 0.2880,
0.3021

■ 10.5595, 0.1639,
0.1101

■ 66.2351, 0.3041,
0.3199

■ 77.2259, 0.3191,
0.3356

■ 89.3376, 0.3329,
0.3495

■ 98.0000, 0.3328,
0.3621

Harmonies

Analogous

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



26.8669, 0.1858, 0.2260



26.8669, 0.2181, 0.2122



26.8669, 0.2773, 0.2234

Triad

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



26.8669, 0.2181, 0.2122



26.8669, 0.4645, 0.3589



26.8669, 0.2606, 0.4234

Complementary

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



26.8669, 0.2181, 0.2122



48.1026, 0.4192, 0.4206

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.



26.8669, 0.3327, 0.4693



26.8669, 0.2181, 0.2122



26.8669, 0.4532, 0.4151

Square

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



26.8669, 0.2181, 0.2122



26.8669, 0.4276, 0.3033



26.8669, 0.4033, 0.4598



26.8669, 0.2066, 0.3421

Rectangle

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



26.8669, 0.2181, 0.2122



26.8669, 0.3282, 0.2428



26.8669, 0.4033, 0.4598



26.8669, 0.2836, 0.4446

Sweetspot

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



26.8678, 0.2181, 0.2122



75.9933, 0.2855, 0.2992



57.5192, 0.2637, 0.3897



15.7196, 0.2821, 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.



26.8678, 0.2181, 0.2122



29.0142, 0.1989, 0.1822



17.7064, 0.2186, 0.1568



13.3578, 0.2981, 0.3134



6.3271, 0.1647, 0.1129



0.5682, 0.1739, 0.1459

Inverse Universe

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



26.0347, 0.4184, 0.2793



29.6331, 0.4556, 0.2731



65.2237, 0.3777, 0.4687



13.1263, 0.3237, 0.3209



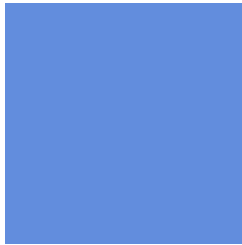
9.2625, 0.5568, 0.2841



0.6161, 0.5112, 0.2590

Previews

White Background



This preview shows how the Yxy color 26.8669, 0.2181, 0.2122 looks on a white background.

Color Contrast Check

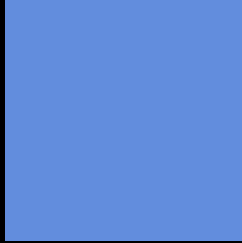
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8669, 0.2181, 0.2122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

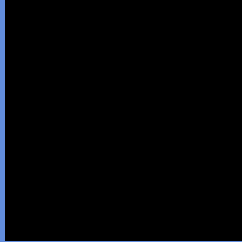
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

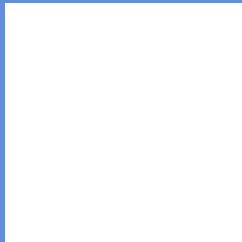
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.8669, 0.2181, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 26.8669, 0.2181, 0.2122.

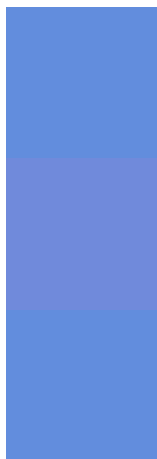


This preview shows how white text looks on a background with the Yxy color 26.8669, 0.2181, 0.2122.

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

26.8669, 0.2181, 0.2122

Protanopia

26.7362, 0.2267, 0.2122

Deuteranopia

26.8669, 0.2181, 0.2122



Tritanopia

26.7509, 0.2410, 0.3058

Trichromacy



Original Color

26.8669, 0.2181, 0.2122

Protanomaly

26.7583, 0.2233, 0.2118

Deuteranomaly

26.8669, 0.2181, 0.2122

Tritanomaly

26.6139, 0.2320, 0.2674

Monochromacy



Original Color

26.8669, 0.2181, 0.2122

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.2151, 0.2698, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8669, 0.2181, 0.2122 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(98, 141, 221)` looks like.

```
.text, #text, p{  
  color:rgb(98, 141, 221)  
}
```

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(98, 141, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 141, 221) }
```

Border

The CSS property to change the border of an element to Yxy 26.8669, 0.2181, 0.2122 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(98, 141, 221) }
```

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

```
.border{ border-color:rgb(98, 141, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 141, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 141, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 141, 221);  
box-shadow:4px 4px 4px 4px rgb(98, 141,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8669, 0.2181, 0.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 141, 221) }
```

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

```
.background{ background-color: rgb(98, 141,  
221) }
```

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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