

Converting Colors

$Yxy(20.7711, 0.2066, 0.1821)$

Have a look what the booklet for
Yxy(20.7711, 0.2066, 0.1821)
contains.

Yxy(20.8639, 0.2069, 0.1825)	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(20.8639, 0.2069, 0.1825)

Conversions

Conversions Part 1

Format	Color
Hex	5879DB
RGB	88, 121, 219
RGB Percent	35%, 47%, 86%
CMY	0.6546, 0.5255, 0.1411
CMYK	0.60, 0.45, 0.00, 0.14
HSL	225°, 65%, 60%
HSV	225°, 60%, 86%
XYZ	23.6534, 20.8639, 69.8055
YIQ	122.3050, -51.1260, 23.4820

Conversions

Conversions Part 2

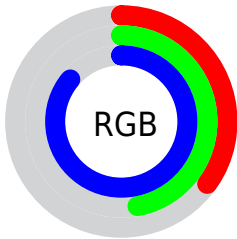
Format	Color
R _Y B	88, 114, 219
Decimal	5798363
CIE Lab	52.80, 17.95, -53.83
CIE LCh	53, 56.746, 288.439
Yxy	20.8639, 0.2069, 0.1825
Android (android.graphics.Color)	4283988443 (0xFF5879DB)
YUV	122.3050, 47.6706, -30.0855
Hunter-Lab	45.6770, 12.4996, -58.6355

Details

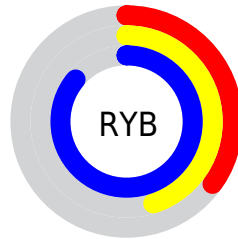
The Yxy color **20.8639, 0.2069, 0.1825** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **50.9238, 0.4186, 0.4390**, and the grayscale version is **19.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4030, 0.2389, 0.2294**, and **7.4159, 0.1731, 0.1425** is the 20% darker color. If you saturate the color by 10%, you get **16.2992, 0.1902, 0.1545**, and if you desaturate by 10%, it is **26.4281, 0.2252, 0.2109**.

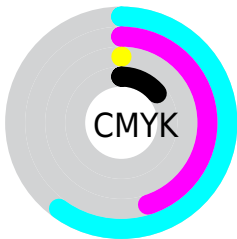
Distribution



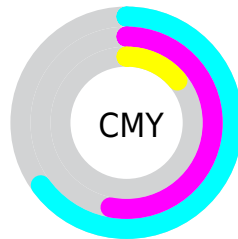
- Red (35%)
- Green (47%)
- Blue (86%)



- Red (35%)
- Yellow (45%)
- Blue (86%)



- Cyan (60%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)



- Cyan (65%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8639, 0.2069, 0.1825 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 20.8639, 0.2069, 0.1825 by changing the saturation by 10% instead.

■ 20.8639, 0.2069,
0.1825

■ 20.8639, 0.2069,
0.1825

■ 256.5543, 0.2639,
0.2569

■ 13.0246, 0.1921,
0.1646

■ 44.8609, 0.2282,
0.2092

■ 7.4455, 0.1732,
0.1425

■ 61.7874, 0.2360,
0.2194

■ 3.7422, 0.1485,
0.1151

■ 82.5117, 0.2426,
0.2281

■ 1.5304, 0.1160,
0.0814

■ 107.4182, 0.2482,
0.2355

■ 0.3100, 0.0750,
0.0317

■ 136.8913, 0.2530,
0.2419

■ 0.0000, 0.0000,
0.0000

171.3154, 0.2571,

0.2475

211.0750, 0.2607,
0.2525

■ 20.8639, 0.2069,
0.1825

■ 20.8639, 0.2069,
0.1825

■ 16.2992, 0.1902,
0.1545

■ 26.4281, 0.2252,
0.2109

■ 12.6682, 0.1760,
0.1285

■ 33.0477, 0.2441,
0.2387

■ 9.8989, 0.1651,
0.1059

■ 40.7766, 0.2628,
0.2648

■ 7.8892, 0.1578,
0.0878

■ 49.6642, 0.2808,
0.2887

■ 7.8531, 0.1576,
0.0874

■ 59.7569, 0.2976,
0.3103

71.0984, 0.3130,
0.3294

83.7303, 0.3271,
0.3462

96.0886, 0.3343,
0.3614

97.8951, 0.3339,
0.3641

Harmonies

Analogous

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



20.8639, 0.1596, 0.1889



20.8639, 0.2069, 0.1825



20.8639, 0.2892, 0.2037

Triad

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



20.8639, 0.2069, 0.1825



20.8639, 0.5136, 0.3776



20.8639, 0.2203, 0.4320

Complementary

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



20.8639, 0.2069, 0.1825



50.9238, 0.4186, 0.4390

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.



20.8639, 0.3075, 0.5143



20.8639, 0.2069, 0.1825



20.8639, 0.4777, 0.4490

Square

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



20.8639, 0.2069, 0.1825



20.8639, 0.4849, 0.3093



20.8639, 0.4010, 0.5088



20.8639, 0.1637, 0.3142

Rectangle

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



20.8639, 0.2069, 0.1825



20.8639, 0.3593, 0.2313



20.8639, 0.4010, 0.5088



20.8639, 0.2470, 0.4678

Sweetspot

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



20.8646, 0.2069, 0.1825



72.3126, 0.2836, 0.2924



56.2114, 0.2561, 0.3786



14.6353, 0.2785, 0.2857



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.



20.8646, 0.2069, 0.1825



21.4277, 0.1858, 0.1469



16.0007, 0.2193, 0.1472



13.1465, 0.2981, 0.3110



4.8039, 0.1583, 0.0898



0.4484, 0.1671, 0.1214

Inverse Universe

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



23.4324, 0.4504, 0.2918



27.1150, 0.4993, 0.2895



62.1240, 0.3723, 0.4824



13.1050, 0.3252, 0.3231



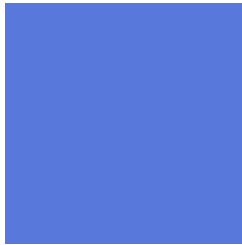
9.1087, 0.5915, 0.3032



0.6040, 0.5447, 0.2774

Previews

White Background



This preview shows how the Yxy color 20.8639, 0.2069, 0.1825 looks on a white background.

Color Contrast Check

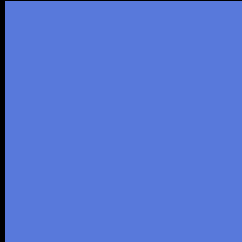
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8639, 0.2069, 0.1825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

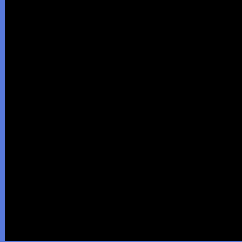
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8639, 0.2069, 0.1825

Background



This preview shows how black text looks on a background with the Yxy color 20.8639, 0.2069, 0.1825.



This preview shows how white text looks on a background with the Yxy color 20.8639, 0.2069, 0.1825.

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

20.8639, 0.2069, 0.1825

Protanopia

20.8357, 0.2030, 0.1818

Deuteranopia

20.9708, 0.1936, 0.1875



Tritanopia

20.8702, 0.2342, 0.3069

Trichromacy



Original Color

20.8639, 0.2069, 0.1825

Protanomaly

20.9712, 0.2046, 0.1823

Deuteranomaly

20.8530, 0.1976, 0.1858

Tritanomaly

20.5175, 0.2220, 0.2511

Monochromacy



Original Color

20.8639, 0.2069, 0.1825

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6684, 0.2639, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8639, 0.2069, 0.1825 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(88, 121, 219)` looks like.

```
.text, #text, p{  
    color:rgb(88, 121, 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(88, 121, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 121, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.8639, 0.2069, 0.1825 is called "border". The border property can be set on classes, ids or directly on the HTML element.

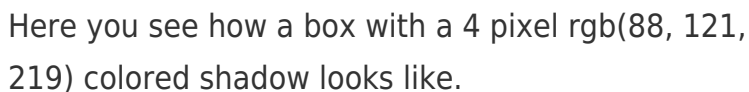
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 121, 219) }
```

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

```
.border{ border-color:rgb(88, 121, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(88, 121, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(88, 121, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(88, 121, 219); box-shadow:4px 4px 4px 4px rgb(88, 121, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8639, 0.2069, 0.1825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 121, 219) }
```

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

```
.background{ background-color: rgb(88, 121,  
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