

Converting Colors

$Y_{xy}(20.8316, 0.2032, 0.1835)$

Have a look what the booklet for
Yxy(20.8316, 0.2032, 0.1835)
contains.

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Color

Yxy(20.7390, 0.2029, 0.1826)

Conversions

Conversions Part 1

Format	Color
Hex	507ADB
RGB	80, 122, 219
RGB Percent	31%, 48%, 86%
CMY	0.6867, 0.5215, 0.1413
CMYK	0.64, 0.44, 0.00, 0.14
HSL	222°, 66%, 59%
HSV	222°, 64%, 86%
XYZ	23.0446, 20.7390, 69.7925
YIQ	120.5000, -56.1690, 21.2630

Conversions

Conversions Part 2

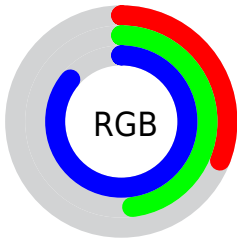
Format	Color
R_{YB}	80, 112, 219
Decimal	5274331
CIE _{Lab}	52.66, 15.82, -54.06
CIE _{LCh}	53, 56.326, 286.311
Yxy	20.7390, 0.2029, 0.1826
Android (android.graphics.Color)	4283464411 (0xFF507ADB)
YUV	120.5000, 48.5605, -35.5185
Hunter-Lab	45.5401, 10.6310, -58.9869

Details

The Yxy color **20.7390, 0.2029, 0.1826** 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 **47.0182, 0.4308, 0.4371**, and the grayscale version is **18.7991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1548, 0.2350, 0.2296**, and **7.5419, 0.1735, 0.1444** is the 20% darker color. If you saturate the color by 10%, you get **16.4785, 0.1875, 0.1564**, and if you desaturate by 10%, it is **25.9000, 0.2201, 0.2094**.

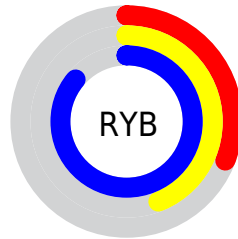
Distribution



Red (31%)

Green (48%)

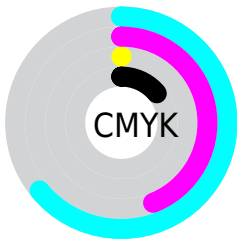
Blue (86%)



Red (31%)

Yellow (44%)

Blue (86%)

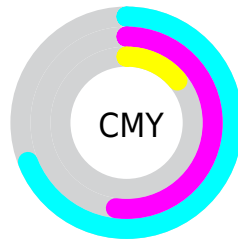


Cyan (64%)

Magenta (44%)

Yellow (0%)

Black (14%)



Cyan (69%)

Magenta (52%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7390, 0.2029, 0.1826 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 20.7390, 0.2029, 0.1826 by changing the saturation by 10% instead.

■ 20.7390, 0.2029,
0.1826

■ 20.7390, 0.2029,
0.1826

255.8882, 0.2618,
0.2572

■ 12.9334, 0.1877,
0.1646

■ 44.6528, 0.2248,
0.2095

■ 7.3827, 0.1683,
0.1424

■ 61.5296, 0.2330,
0.2197

■ 3.7026, 0.1432,
0.1148

■ 82.1991, 0.2398,
0.2283

■ 1.5086, 0.1104,
0.0809

■ 107.0455, 0.2455,
0.2358

■ 0.2948, 0.0688,
0.0304

136.4531, 0.2505,
0.2422

■ 0.0000, 0.0000,
0.0000

170.8066, 0.2548,

0.2478

210.4901, 0.2585,
0.2528

■ 20.7390, 0.2029,
0.1826

■ 20.7390, 0.2029,
0.1826

■ 16.4785, 0.1875,
0.1564

■ 25.9000, 0.2201,
0.2094

■ 13.0577, 0.1748,
0.1319

■ 32.0123, 0.2383,
0.2356

■ 10.4094, 0.1653,
0.1105

■ 39.1251, 0.2566,
0.2605

■ 9.0493, 0.1607,
0.0986

■ 47.2833, 0.2745,
0.2835

■ 56.5287, 0.2915,
0.3044

66.9010, 0.3074,
0.3230

78.4377, 0.3221,
0.3394

91.1601, 0.3354,
0.3539

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.



20.7390, 0.1582, 0.1911



20.7390, 0.2029, 0.1826



20.7390, 0.2825, 0.2019

Triad

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



20.7390, 0.2029, 0.1826



20.7390, 0.5129, 0.3726



20.7390, 0.2262, 0.4394

Complementary

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



20.7390, 0.2029, 0.1826



47.0182, 0.4308, 0.4371

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.



20.7390, 0.3144, 0.5157



20.7390, 0.2029, 0.1826



20.7390, 0.4813, 0.4436

Square

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



20.7390, 0.2029, 0.1826



20.7390, 0.4793, 0.3049



20.7390, 0.4070, 0.5049



20.7390, 0.1671, 0.3220

Rectangle

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



20.7390, 0.2029, 0.1826



20.7390, 0.3514, 0.2283



20.7390, 0.4070, 0.5049



20.7390, 0.2534, 0.4737

Sweetspot

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



20.7397, 0.2029, 0.1826



72.2535, 0.2820, 0.2929



55.4464, 0.2576, 0.3929



14.6794, 0.2770, 0.2867



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.



20.7397, 0.2029, 0.1826



21.6293, 0.1832, 0.1485



13.8619, 0.2070, 0.1334



13.2572, 0.2981, 0.3122



5.5361, 0.1615, 0.1012



0.5080, 0.1705, 0.1339

Inverse Universe

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



22.1843, 0.4527, 0.2823



25.9727, 0.5001, 0.2805



62.6314, 0.3801, 0.4870



13.1161, 0.3244, 0.3219



9.1826, 0.5741, 0.2936



0.6100, 0.5273, 0.2678

Previews

White Background



This preview shows how the Yxy color 20.7390, 0.2029, 0.1826 looks on a white background.

Color Contrast Check

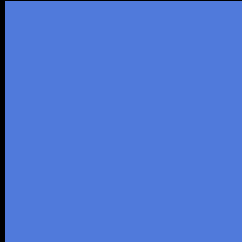
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7390, 0.2029, 0.1826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

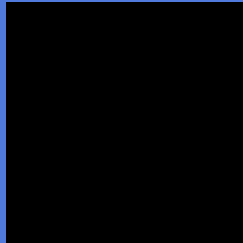
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7390, 0.2029, 0.1826

Background



This preview shows how black text looks on a background with the Yxy color 20.7390, 0.2029, 0.1826.



This preview shows how white text looks on a background with the Yxy color 20.7390, 0.2029, 0.1826.

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

20.7390, 0.2029, 0.1826

Protanopia

20.7829, 0.2035, 0.1827

Deuteranopia

20.8937, 0.1927, 0.1872



Tritanopia

20.8183, 0.2273, 0.3067

Trichromacy



Original Color

20.7390, 0.2029, 0.1826

Protanomaly

20.7829, 0.2035, 0.1827

Deuteranomaly

20.6898, 0.1956, 0.1852

Tritanomaly

20.3707, 0.2159, 0.2518

Monochromacy



Original Color

20.7390, 0.2029, 0.1826

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.0783, 0.2596, 0.2654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7390, 0.2029, 0.1826 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(80, 122, 219)` looks like.

```
.text, #text, p{  
    color:rgb(80, 122, 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(80, 122, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 122, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.7390, 0.2029, 0.1826 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(80, 122, 219) }
```

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

```
.border{ border-color:rgb(80, 122, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 122, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 122, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 122, 219);  
box-shadow:4px 4px 4px 4px rgb(80, 122,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7390, 0.2029, 0.1826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 122, 219) }
```

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

```
.background{ background-color: rgb(80, 122,  
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](#).

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