

Converting Colors

$Y_{xy}(20.4890, 0.1783, 0.1619)$

Have a look what the booklet for
Yxy(20.4890, 0.1783, 0.1619)
contains.

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Color

Yxy(20.5883, 0.1784, 0.1622)

Conversions

Conversions Part 1

Format	Color
Hex	007CEE
RGB	0, 124, 238
RGB Percent	0%, 49%, 93%
CMY	0.9998, 0.5138, 0.0665
CMYK	1.00, 0.48, 0.00, 0.07
HSL	209°, 100%, 47%
HSV	209°, 100%, 93%
XYZ	22.6446, 20.5883, 83.6987
YIQ	99.9200, -110.4980, 9.1660

Conversions

Conversions Part 2

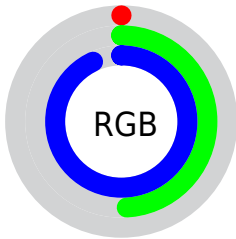
Format	Color
RYB	0, 82, 238
Decimal	31982
CIELab	52.50, 14.72, -65.11
CIELCh	52, 66.758, 282.741
Yxy	20.5883, 0.1784, 0.1622
Android (android.graphics.Color)	4278222062 (0xFF007CEE)
YUV	99.9200, 68.0734, -87.6298
Hunter-Lab	45.3743, 9.6774, -77.6058

Details

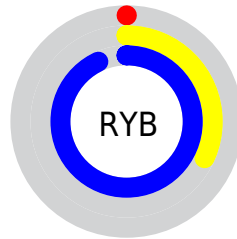
The Yxy color **20.5883, 0.1784, 0.1622** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.2409, 0.5492, 0.4021**, and the grayscale version is **12.5714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4588, 0.2188, 0.2281**, and **8.5051, 0.1701, 0.1325** is the 20% darker color. If you saturate the color by 10%, you get **20.5823, 0.1784, 0.1622**, and if you desaturate by 10%, it is **23.8072, 0.1851, 0.1796**.

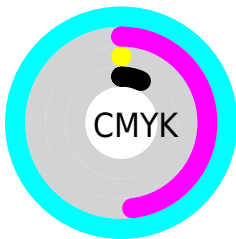
Distribution



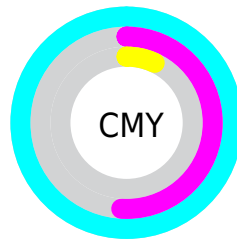
- Red (0%)
- Green (49%)
- Blue (93%)



- Red (0%)
- Yellow (32%)
- Blue (93%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (51%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5883, 0.1784, 0.1622 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 20.5883, 0.1784, 0.1622 by changing the saturation by 10% instead.

■ 20.5883, 0.1784,
0.1622

■ 20.5883, 0.1784,
0.1622

■ 255.0824, 0.2483,
0.2451

■ 12.8234, 0.1615,
0.1433

■ 44.4013, 0.2037,
0.1913

■ 7.3071, 0.1406,
0.1206

■ 61.2183, 0.2133,
0.2026

■ 3.6549, 0.1147,
0.0935

■ 81.8213, 0.2214,
0.2123

■ 1.4824, 0.0833,
0.0624

■ 106.5949, 0.2284,
0.2207

■ 0.2763, 0.0467,
0.0207

■ 135.9234, 0.2344,
0.2279

■ 0.0000, 0.0000,
0.0000

170.1912, 0.2396,

0.2344

209.7827, 0.2442,
0.2400

■ 20.5883, 0.1784,
0.1622

■ 20.5883, 0.1784,
0.1622

■ 20.5823, 0.1784,
0.1622

■ 23.8072, 0.1851,
0.1796

■ 27.6026, 0.1939,
0.1979

■ 32.0590, 0.2051,
0.2168

■ 37.2299, 0.2183,
0.2356

■ 43.1612, 0.2330,
0.2540

■ 49.8943, 0.2487,
0.2716

■ 57.4665, 0.2649,
0.2880

■ 65.9126, 0.2812,
0.3031

■ 75.2650, 0.2972,
0.3167

Harmonies

Analogous

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



20.5883, 0.1343, 0.1740



20.5883, 0.1784, 0.1622



20.5883, 0.2631, 0.1804

Triad

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



20.5883, 0.1784, 0.1622



20.5883, 0.5456, 0.3621



20.5883, 0.2196, 0.4794

Complementary

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



20.5883, 0.1784, 0.1622



30.2409, 0.5492, 0.4021

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.



20.5883, 0.3213, 0.5573



20.5883, 0.1784, 0.1622



20.5883, 0.5108, 0.4423

Square

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



20.5883, 0.1784, 0.1622



20.5883, 0.4997, 0.2891



20.5883, 0.4260, 0.5226



20.5883, 0.1501, 0.3334

Rectangle

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



20.5883, 0.1784, 0.1622



20.5883, 0.3417, 0.2075



20.5883, 0.4260, 0.5226



20.5883, 0.2515, 0.5187

Sweetspot

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



20.5889, 0.1784, 0.1622



67.0636, 0.2647, 0.2878



62.3221, 0.2763, 0.5145



13.5275, 0.2578, 0.2810



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.



20.5889, 0.1784, 0.1622



23.9403, 0.1782, 0.1616



6.3490, 0.1504, 0.0615



16.5908, 0.2980, 0.3174



11.7398, 0.1791, 0.1648



1.1759, 0.1855, 0.1879

Inverse Universe

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



19.6400, 0.4903, 0.2475



22.9479, 0.4911, 0.2479



74.8365, 0.4253, 0.5005



15.8964, 0.3212, 0.3168



10.9785, 0.4870, 0.2457



0.9334, 0.4592, 0.2303

Previews

White Background



This preview shows how the Yxy color 20.5883, 0.1784, 0.1622 looks on a white background.

Color Contrast Check

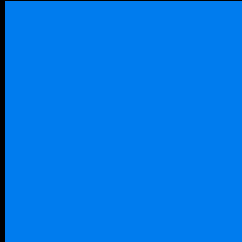
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5883, 0.1784, 0.1622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

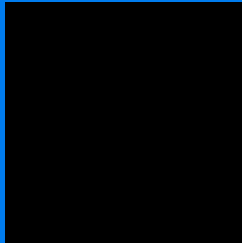
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

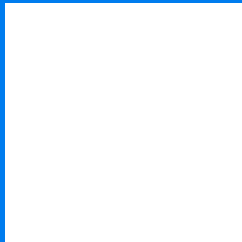
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.5883, 0.1784, 0.1622

Background



This preview shows how black text looks on a background with the Yxy color 20.5883, 0.1784, 0.1622.



This preview shows how white text looks on a background with the Yxy color 20.5883, 0.1784, 0.1622.

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

20.5883, 0.1784, 0.1622

Protanopia

20.7297, 0.1896, 0.1646

Deuteranopia

20.5065, 0.1833, 0.1797



Tritanopia

20.6034, 0.2195, 0.3103

Trichromacy



Original Color

20.5883, 0.1784, 0.1622

Protanomaly

20.4263, 0.1831, 0.1628

Deuteranomaly

20.5231, 0.1816, 0.1736

Tritanomaly

20.3864, 0.2007, 0.2427

Monochromacy



Original Color

20.5883, 0.1784, 0.1622

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.2293, 0.2248, 0.2444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5883, 0.1784, 0.1622 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(0, 124, 238)` looks like.

```
.text, #text, p{  
  color:rgb(0, 124, 238)  
}
```

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(0, 124, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 238) }
```

Border

The CSS property to change the border of an element to Yxy 20.5883, 0.1784, 0.1622 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(0, 124, 238) }
```

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

```
.border{ border-color:rgb(0, 124, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5883, 0.1784, 0.1622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 238) }
```

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

```
.background{ background-color: rgb(0, 124,  
238) }
```

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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