

Converting Colors

$Y_{xy}(21.9861, 0.1785, 0.1625)$

Have a look what the booklet for
Yxy(21.9861, 0.1785, 0.1625)
contains.

Yxy(22.0309, 0.1785, 0.1625)	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(22.0309, 0.1785, 0.1625)

Conversions

Conversions Part 1

Format	Color
Hex	0080F5
RGB	0, 128, 245
RGB Percent	0%, 50%, 96%
CMY	0.9987, 0.4980, 0.0393
CMYK	1.00, 0.48, 0.00, 0.04
HSL	209°, 100%, 48%
HSV	209°, 100%, 96%
XYZ	24.2001, 22.0309, 89.3438
YIQ	103.0660, -113.8450, 9.2510

Conversions

Conversions Part 2

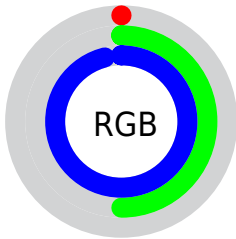
Format	Color
R _Y B	0, 84, 245
Decimal	33013
CIE Lab	54.06, 14.92, -66.45
CIE LCh	54, 68.102, 282.658
Yxy	22.0309, 0.1785, 0.1625
Android (android.graphics.Color)	4278223093 (0xFF0080F5)
YUV	103.0660, 69.9735, -90.3889
Hunter-Lab	46.9371, 9.8922, -80.0013

Details

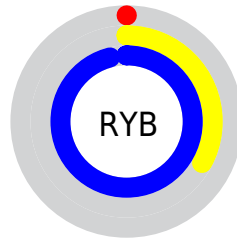
The Yxy color **22.0309, 0.1785, 0.1625** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **32.2041, 0.5495, 0.4018**, and the grayscale version is **13.4433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1775, 0.2208, 0.2337**, and **9.3682, 0.1705, 0.1337** is the 20% darker color. If you saturate the color by 10%, you get **21.9878, 0.1784, 0.1623**, and if you desaturate by 10%, it is **25.4681, 0.1851, 0.1799**.

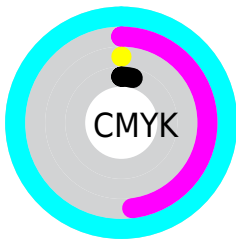
Distribution



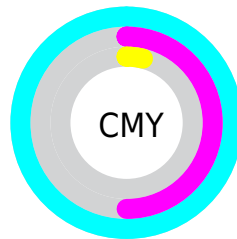
- Red (0%)
- Green (50%)
- Blue (96%)



- Red (0%)
- Yellow (33%)
- Blue (96%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (50%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0309, 0.1785, 0.1625 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 22.0309, 0.1785, 0.1625 by changing the saturation by 10% instead.

■ 22.0309, 0.1785,
0.1625

■ 22.0309, 0.1785,
0.1625

262.7076, 0.2476,
0.2443

■ 13.8796, 0.1620,
0.1440

■ 46.7971, 0.2033,
0.1910

■ 8.0370, 0.1417,
0.1220

■ 64.1807, 0.2128,
0.2022

■ 4.1186, 0.1167,
0.0958

■ 85.4106, 0.2208,
0.2117

■ 1.7401, 0.0864,
0.0655

■ 110.8712, 0.2277,
0.2200

■ 0.4494, 0.0518,
0.0294

■ 140.9467, 0.2337,
0.2273

■ 0.0000, 0.0000,
0.0000

176.0217, 0.2389,

0.2336

216.4806, 0.2435,
0.2393

■ 22.0309, 0.1785,
0.1625

■ 22.0309, 0.1785,
0.1625

■ 21.9878, 0.1784,
0.1623

■ 25.4681, 0.1851,
0.1799

■ 29.5232, 0.1940,
0.1982

■ 34.2844, 0.2052,
0.2170

■ 39.8091, 0.2184,
0.2359

■ 46.1465, 0.2331,
0.2543

■ 53.3407, 0.2488,
0.2718

■ 61.4319, 0.2650,
0.2882

■ 70.4571, 0.2813,
0.3032

■ 80.4512, 0.2974,
0.3169

Harmonies

Analogous

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



22.0309, 0.1345, 0.1744



22.0309, 0.1785, 0.1625



22.0309, 0.2629, 0.1806

Triad

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



22.0309, 0.1785, 0.1625



22.0309, 0.5451, 0.3619



22.0309, 0.2202, 0.4793

Complementary

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



22.0309, 0.1785, 0.1625



32.2041, 0.5495, 0.4018

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.



22.0309, 0.3217, 0.5567



22.0309, 0.1785, 0.1625



22.0309, 0.5106, 0.4420

Square

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



22.0309, 0.1785, 0.1625



22.0309, 0.4990, 0.2891



22.0309, 0.4262, 0.5220



22.0309, 0.1506, 0.3339

Rectangle

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



22.0309, 0.1785, 0.1625



22.0309, 0.3413, 0.2076



22.0309, 0.4262, 0.5220



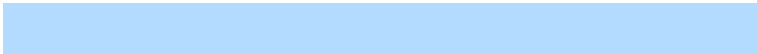
22.0309, 0.2520, 0.5184

Sweetspot

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



22.0315, 0.1785, 0.1625



67.1058, 0.2647, 0.2879



66.5191, 0.2763, 0.5146



13.5374, 0.2578, 0.2811



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.



22.0315, 0.1785, 0.1625



24.0144, 0.1783, 0.1619



6.7776, 0.1505, 0.0615



17.3577, 0.2980, 0.3174



12.1271, 0.1792, 0.1650



1.2717, 0.1853, 0.1870

Inverse Universe

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



20.9740, 0.4899, 0.2473



22.9554, 0.4907, 0.2477



79.8742, 0.4253, 0.5004



16.6270, 0.3212, 0.3167



11.3236, 0.4868, 0.2455



1.0160, 0.4603, 0.2309

Previews

White Background



This preview shows how the Yxy color 22.0309, 0.1785, 0.1625 looks on a white background.

Color Contrast Check

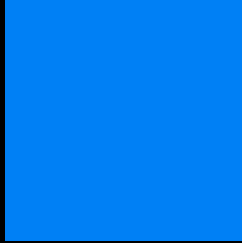
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0309, 0.1785, 0.1625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

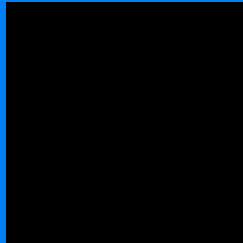
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

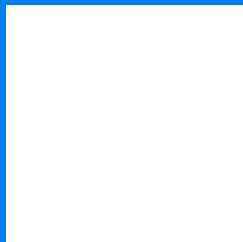
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0309, 0.1785, 0.1625

Background



This preview shows how black text looks on a background with the Yxy color 22.0309, 0.1785, 0.1625.



This preview shows how white text looks on a background with the Yxy color 22.0309, 0.1785, 0.1625.

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

22.0309, 0.1785, 0.1625

Protanopia

22.1764, 0.1903, 0.1658

Deuteranopia

21.9458, 0.1832, 0.1795



Tritanopia

21.9119, 0.2197, 0.3107

Trichromacy



Original Color

22.0309, 0.1785, 0.1625

Protanomaly

21.8248, 0.1835, 0.1639

Deuteranomaly

21.9634, 0.1815, 0.1735

Tritanomaly

21.7221, 0.2009, 0.2430

Monochromacy



Original Color

22.0309, 0.1785, 0.1625

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.1131, 0.2242, 0.2427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0309, 0.1785, 0.1625 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, 128, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 245)  
}
```

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, 128, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 245) }
```

Border

The CSS property to change the border of an element to Yxy 22.0309, 0.1785, 0.1625 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, 128, 245) }
```

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

```
.border{ border-color:rgb(0, 128, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 128, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0309, 0.1785, 0.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 245) }
```

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

```
.background{ background-color: rgb(0, 128,  
245) }
```

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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