

Converting Colors

$Y_{xy}(20.1795, 0.1757, 0.1525)$

Have a look what the booklet for
Yxy(20.1795, 0.1757, 0.1525)
contains.

Yxy(20.2673, 0.1758, 0.1528)	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(20.2673, 0.1758, 0.1528)

Conversions

Conversions Part 1

Format	Color
Hex	0079F5
RGB	0, 121, 245
RGB Percent	0%, 47%, 96%
CMY	0.9991, 0.5255, 0.0393
CMYK	1.00, 0.51, 0.00, 0.04
HSL	210°, 100%, 48%
HSV	210°, 100%, 96%
XYZ	23.3180, 20.2673, 89.0541
YIQ	98.9570, -111.9200, 12.9120

Conversions

Conversions Part 2

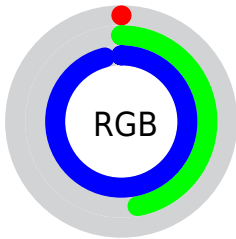
Format	Color
R _{YB}	0, 81, 245
Decimal	31221
CIE Lab	52.14, 19.31, -69.56
CIE LCh	52, 72.188, 285.514
Yxy	20.2673, 0.1758, 0.1528
Android (android.graphics.Color)	4278221301 (0xFF0079F5)
YUV	98.9570, 71.9992, -86.7853
Hunter-Lab	45.0192, 13.6716, -85.7702

Details

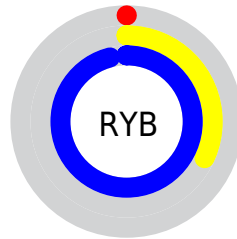
The Yxy color **20.2673, 0.1758, 0.1528** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **33.8787, 0.5412, 0.4085**, and the grayscale version is **12.3209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4221, 0.2188, 0.2243**, and **8.5284, 0.1678, 0.1242** is the 20% darker color. If you saturate the color by 10%, you get **20.2377, 0.1757, 0.1526**, and if you desaturate by 10%, it is **23.6824, 0.1827, 0.1709**.

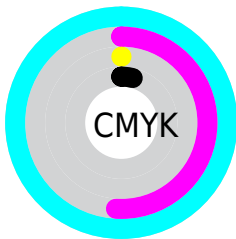
Distribution



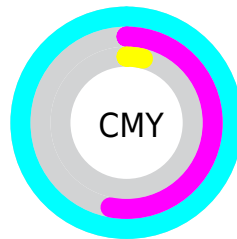
- Red (0%)
- Green (47%)
- Blue (96%)



- Red (0%)
- Yellow (32%)
- Blue (96%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (53%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2673, 0.1758, 0.1528 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 20.2673, 0.1758, 0.1528 by changing the saturation by 10% instead.


 20.2673, 0.1758,
0.1528

 20.2673, 0.1758,
0.1528

253.3585, 0.2469,
0.2389


 12.5895, 0.1588,
0.1337


 43.8649, 0.2014,
0.1826

 7.1465, 0.1379,
0.1111


 60.5534, 0.2112,
0.1943


 3.5539, 0.1123,
0.0846

 81.0144, 0.2194,
0.2044

 1.4273, 0.0815,
0.0550

 105.6321, 0.2265,
0.2132

 0.2367, 0.0468,
0.0159

 134.7910, 0.2327,
0.2208

 0.0000, 0.0000,
0.0000

168.8754, 0.2380,

0.2276

208.2698, 0.2427,
0.2335

■ 20.2673, 0.1758,
0.1528

■ 20.2673, 0.1758,
0.1528

■ 20.2377, 0.1757,
0.1526

■ 23.6824, 0.1827,
0.1709

■ 27.7526, 0.1918,
0.1901

■ 32.5689, 0.2034,
0.2100

■ 38.1908, 0.2170,
0.2300

■ 44.6697, 0.2321,
0.2495

■ 52.0517, 0.2482,
0.2682

■ 60.3788, 0.2647,
0.2856

■ 69.6900, 0.2812,
0.3016

■ 80.0215, 0.2973,
0.3161

Harmonies

Analogous

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



20.2673, 0.1267, 0.1612



20.2673, 0.1758, 0.1528



20.2673, 0.2693, 0.1745

Triad

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



20.2673, 0.1758, 0.1528



20.2673, 0.5621, 0.3671



20.2673, 0.2021, 0.4806

Complementary

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



20.2673, 0.1758, 0.1528



33.8787, 0.5412, 0.4085

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.



20.2673, 0.3074, 0.5767



20.2673, 0.1758, 0.1528



20.2673, 0.5146, 0.4527

Square

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



20.2673, 0.1758, 0.1528



20.2673, 0.5237, 0.2912



20.2673, 0.4192, 0.5408



20.2673, 0.1345, 0.3183

Rectangle

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



20.2673, 0.1758, 0.1528



20.2673, 0.3560, 0.2044



20.2673, 0.4192, 0.5408



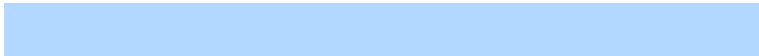
20.2673, 0.2346, 0.5276

Sweetspot

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



20.2678, 0.1758, 0.1528



65.9830, 0.2644, 0.2853



66.7155, 0.2732, 0.5035



13.2721, 0.2574, 0.2781



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.



20.2678, 0.1758, 0.1528



22.0972, 0.1756, 0.1523



6.5980, 0.1500, 0.0601



17.2772, 0.2980, 0.3167



11.1804, 0.1765, 0.1555



1.1879, 0.1829, 0.1783

Inverse Universe

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



20.7947, 0.5023, 0.2541



22.7619, 0.5030, 0.2544



84.7035, 0.4193, 0.5052



16.6189, 0.3216, 0.3174



11.2280, 0.4988, 0.2522



1.0076, 0.4705, 0.2366

Previews

White Background



This preview shows how the Yxy color 20.2673, 0.1758, 0.1528 looks on a white background.

Color Contrast Check

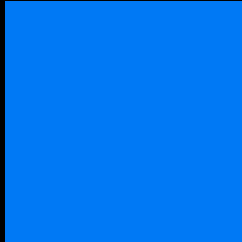
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2673, 0.1758, 0.1528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

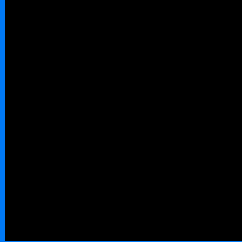
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

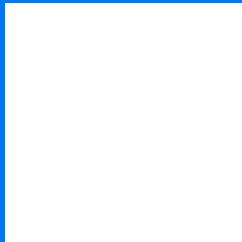
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2673, 0.1758, 0.1528

Background



This preview shows how black text looks on a background with the Yxy color 20.2673, 0.1758, 0.1528.



This preview shows how white text looks on a background with the Yxy color 20.2673, 0.1758, 0.1528.

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

20.2673, 0.1758, 0.1528

Protanopia

20.2456, 0.1816, 0.1539

Deuteranopia

20.0890, 0.1836, 0.1810



Tritanopia

19.9666, 0.2195, 0.3100

Trichromacy



Original Color

20.2673, 0.1758, 0.1528

Protanomaly

20.2258, 0.1784, 0.1532

Deuteranomaly

20.0724, 0.1805, 0.1697

Tritanomaly

19.6100, 0.1987, 0.2353

Monochromacy



Original Color

20.2673, 0.1758, 0.1528

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.8392, 0.2218, 0.2365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2673, 0.1758, 0.1528 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, 121, 245)` looks like.

```
.text, #text, p{  
  color:rgb(0, 121, 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, 121, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 245) }
```

Border

The CSS property to change the border of an element to Yxy 20.2673, 0.1758, 0.1528 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, 121, 245) }
```

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

```
.border{ border-color:rgb(0, 121, 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, 121, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2673, 0.1758, 0.1528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 245) }
```

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

```
.background{ background-color: rgb(0, 121,  
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](#).

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