

Converting Colors

$Yxy(19.1361, 0.1631, 0.1526)$

Have a look what the booklet for
Yxy(19.1361, 0.1631, 0.1526)
contains.

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Color

Yxy(20.5168, 0.1774, 0.1585)

Conversions

Conversions Part 1

Format	Color
Hex	007BF1
RGB	0, 123, 241
RGB Percent	0%, 48%, 95%
CMY	0.9981, 0.5177, 0.0549
CMYK	1.00, 0.49, 0.00, 0.05
HSL	209°, 100%, 47%
HSV	209°, 100%, 95%
XYZ	22.9633, 20.5168, 85.9635
YIQ	99.6750, -111.1860, 10.6220

Conversions

Conversions Part 2

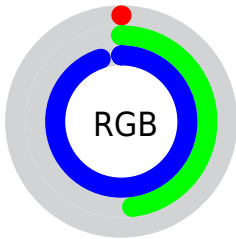
Format	Color
R _Y B	0, 81, 241
Decimal	31729
CIE Lab	52.42, 16.51, -66.89
CIE LCh	52, 68.897, 283.868
Yxy	20.5168, 0.1774, 0.1585
Android (android.graphics.Color)	4278221809 (0xFF007BF1)
YUV	99.6750, 69.6732, -87.4150
Hunter-Lab	45.2955, 11.2264, -80.8160

Details

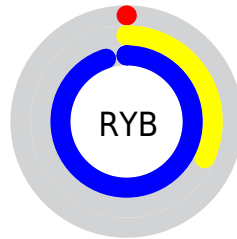
The Yxy color **20.5168, 0.1774, 0.1585** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **31.7751, 0.5455, 0.4049**, and the grayscale version is **12.5362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1312, 0.2189, 0.2269**, and **8.6296, 0.1695, 0.1302** is the 20% darker color. If you saturate the color by 10%, you get **20.4540, 0.1773, 0.1581**, and if you desaturate by 10%, it is **23.8285, 0.1842, 0.1762**.

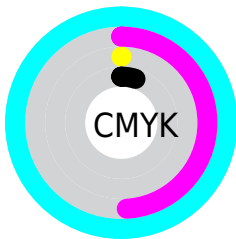
Distribution



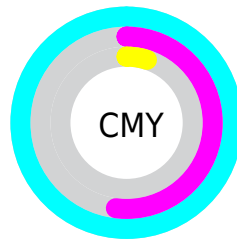
- Red (0%)
- Green (48%)
- Blue (95%)



- Red (0%)
- Yellow (32%)
- Blue (95%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (52%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5168, 0.1774, 0.1585 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 20.5168, 0.1774, 0.1585 by changing the saturation by 10% instead.

■ 20.5168, 0.1774,
0.1585

■ 20.5168, 0.1774,
0.1585

■ 254.6993, 0.2477,
0.2426

■ 12.7713, 0.1604,
0.1395

■ 44.2820, 0.2028,
0.1879

■ 7.2712, 0.1396,
0.1168

■ 61.0704, 0.2125,
0.1993

■ 3.6323, 0.1138,
0.0901

■ 81.6418, 0.2206,
0.2092

■ 1.4701, 0.0827,
0.0595

■ 106.3808, 0.2276,
0.2177

■ 0.2675, 0.0470,
0.0191

■ 135.6716, 0.2337,
0.2251

■ 0.0000, 0.0000,
0.0000

169.8987, 0.2390,

0.2317

209.4465, 0.2436,
0.2375

■ 20.5168, 0.1774,
0.1585

■ 20.5168, 0.1774,
0.1585

■ 20.4540, 0.1773,
0.1581

■ 23.8285, 0.1842,
0.1762

■ 27.7515, 0.1932,
0.1949

■ 32.3714, 0.2046,
0.2142

■ 37.7439, 0.2180,
0.2335

■ 43.9173, 0.2328,
0.2524

■ 50.9345, 0.2487,
0.2704

■ 58.8350, 0.2651,
0.2872

■ 67.6550, 0.2814,
0.3027

■ 77.4287, 0.2975,
0.3167

Harmonies

Analogous

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



20.5168, 0.1313, 0.1689



20.5168, 0.1774, 0.1585



20.5168, 0.2655, 0.1781

Triad

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



20.5168, 0.1774, 0.1585



20.5168, 0.5522, 0.3642



20.5168, 0.2128, 0.4800

Complementary

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



20.5168, 0.1774, 0.1585



31.7751, 0.5455, 0.4049

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.



20.5168, 0.3160, 0.5647



20.5168, 0.1774, 0.1585



20.5168, 0.5124, 0.4464

Square

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



20.5168, 0.1774, 0.1585



20.5168, 0.5091, 0.2901



20.5168, 0.4235, 0.5297



20.5168, 0.1439, 0.3276

Rectangle

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



20.5168, 0.1774, 0.1585



20.5168, 0.3472, 0.2063



20.5168, 0.4235, 0.5297



20.5168, 0.2449, 0.5221

Sweetspot

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



20.5173, 0.1774, 0.1585



66.6098, 0.2646, 0.2867



64.1882, 0.2747, 0.5088



13.4202, 0.2576, 0.2798



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.



20.5173, 0.1774, 0.1585



23.1539, 0.1771, 0.1576



6.4514, 0.1503, 0.0609



16.5599, 0.2980, 0.3171



11.3634, 0.1781, 0.1610



1.1445, 0.1846, 0.1845

Inverse Universe

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



20.1402, 0.4950, 0.2501



22.8685, 0.4961, 0.2507



79.2606, 0.4223, 0.5029



15.8932, 0.3213, 0.3170



10.9405, 0.4919, 0.2483



0.9303, 0.4632, 0.2326

Previews

White Background



This preview shows how the Yxy color 20.5168, 0.1774, 0.1585 looks on a white background.

Color Contrast Check

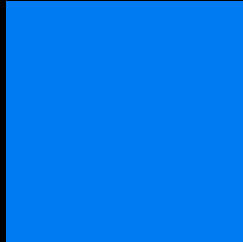
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5168, 0.1774, 0.1585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

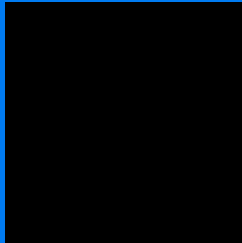
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

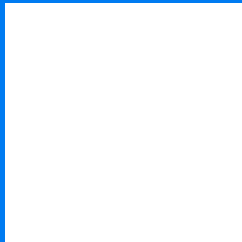
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.5168, 0.1774, 0.1585

Background



This preview shows how black text looks on a background with the Yxy color 20.5168, 0.1774, 0.1585.



This preview shows how white text looks on a background with the Yxy color 20.5168, 0.1774, 0.1585.

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

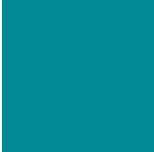
20.5168, 0.1774, 0.1585

Protanopia

20.4758, 0.1864, 0.1601

Deuteranopia

20.4527, 0.1835, 0.1807



Tritanopia

20.2835, 0.2195, 0.3101

Trichromacy



Original Color

20.5168, 0.1774, 0.1585

Protanomaly

20.2818, 0.1811, 0.1587

Deuteranomaly

20.5789, 0.1813, 0.1727

Tritanomaly

20.1113, 0.2002, 0.2407

Monochromacy



Original Color

20.5168, 0.1774, 0.1585

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.0495, 0.2236, 0.2405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5168, 0.1774, 0.1585 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, 123, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 241)  
}
```

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, 123, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 241) }
```

Border

The CSS property to change the border of an element to Yxy 20.5168, 0.1774, 0.1585 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, 123, 241) }
```

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

```
.border{ border-color:rgb(0, 123, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5168, 0.1774, 0.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 241) }
```

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

```
.background{ background-color: rgb(0, 123,  
241) }
```

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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