

Converting Colors

$Y_{xy}(21.1610, 0.1796, 0.1665)$

Have a look what the booklet for
Yxy(21.1610, 0.1796, 0.1665)
contains.

Yxy(21.0361, 0.1794, 0.1659)	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(21.0361, 0.1794, 0.1659)

Conversions

Conversions Part 1

Format	Color
Hex	007EED
RGB	0, 126, 237
RGB Percent	0%, 49%, 93%
CMY	1.0000, 0.5059, 0.0704
CMYK	1.00, 0.47, 0.00, 0.07
HSL	208°, 100%, 46%
HSV	208°, 100%, 93%
XYZ	22.7479, 21.0361, 83.0159
YIQ	100.9800, -110.7270, 7.8090

Conversions

Conversions Part 2

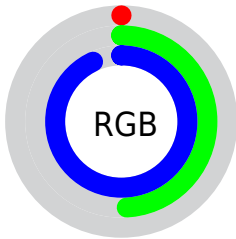
Format	Color
R _Y B	0, 82, 237
Decimal	32493
CIE Lab	52.99, 13.07, -63.76
CIE LCh	53, 65.090, 281.583
Yxy	21.0361, 0.1794, 0.1659
Android (android.graphics.Color)	4278222573 (0xFF007EED)
YUV	100.9800, 67.0579, -88.5595
Hunter-Lab	45.8651, 8.2673, -75.2093

Details

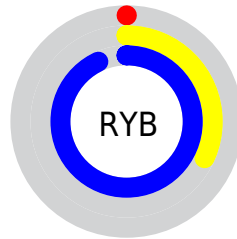
The Yxy color **21.0361, 0.1794, 0.1659** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.3905, 0.5524, 0.3996**, and the grayscale version is **12.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2489, 0.2194, 0.2308**, and **8.7441, 0.1713, 0.1366** is the 20% darker color. If you saturate the color by 10%, you get **21.0391, 0.1794, 0.1659**, and if you desaturate by 10%, it is **24.2291, 0.1860, 0.1830**.

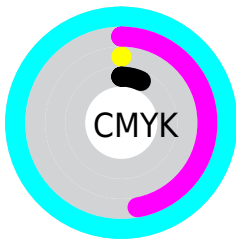
Distribution



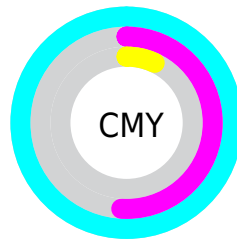
- Red (0%)
- Green (49%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0361, 0.1794, 0.1659 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 21.0361, 0.1794, 0.1659 by changing the saturation by 10% instead.


 21.0361, 0.1794,
0.1659


 21.0361, 0.1794,
0.1659


257.4703, 0.2487,
0.2472


 13.1504, 0.1626,
0.1472

 45.1476, 0.2045,
0.1946


 7.5322, 0.1419,
0.1246


 62.1422, 0.2140,
0.2057

 3.7971, 0.1161,
0.0976

 82.9419, 0.2220,
0.2151

 1.5607, 0.0848,
0.0662

 107.9310, 0.2289,
0.2233

 0.3309, 0.0480,
0.0251

 137.4940, 0.2349,
0.2305

 0.0000, 0.0000,
0.0000

172.0153, 0.2401,

0.2368

211.8793, 0.2446,
0.2423

■ 21.0361, 0.1794,
0.1659

■ 21.0361, 0.1794,
0.1659

■ 21.0391, 0.1794,
0.1659

■ 24.2291, 0.1860,
0.1830

■ 27.9769, 0.1947,
0.2010

■ 32.3655, 0.2057,
0.2194

■ 37.4469, 0.2188,
0.2378

■ 43.2661, 0.2333,
0.2558

■ 49.8633, 0.2489,
0.2729

■ 57.2749, 0.2650,
0.2889

■ 65.5347, 0.2812,
0.3036

■ 74.6744, 0.2972,
0.3170

Harmonies

Analogous

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



21.0361, 0.1373, 0.1791



21.0361, 0.1794, 0.1659



21.0361, 0.2608, 0.1826

Triad

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



21.0361, 0.1794, 0.1659



21.0361, 0.5390, 0.3598



21.0361, 0.2263, 0.4787

Complementary

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



21.0361, 0.1794, 0.1659



29.3905, 0.5524, 0.3996

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.



21.0361, 0.3265, 0.5501



21.0361, 0.1794, 0.1659



21.0361, 0.5089, 0.4381

Square

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



21.0361, 0.1794, 0.1659



21.0361, 0.4906, 0.2882



21.0361, 0.4283, 0.5156



21.0361, 0.1562, 0.3391

Rectangle

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



21.0361, 0.1794, 0.1659



21.0361, 0.3364, 0.2087



21.0361, 0.4283, 0.5156



21.0361, 0.2578, 0.5152

Sweetspot

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



21.0391, 0.1794, 0.1659



67.4927, 0.2648, 0.2887



61.7336, 0.2763, 0.5145



13.6290, 0.2579, 0.2821



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.



21.0391, 0.1794, 0.1659



24.7006, 0.1793, 0.1653



6.2886, 0.1504, 0.0615



15.8747, 0.2981, 0.3177



11.7474, 0.1802, 0.1687



1.1148, 0.1868, 0.1926

Inverse Universe

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



19.5186, 0.4857, 0.2449



23.0247, 0.4865, 0.2454



74.1301, 0.4253, 0.5005



15.1879, 0.3210, 0.3165



10.6787, 0.4823, 0.2430



0.8580, 0.4538, 0.2273

Previews

White Background



This preview shows how the Yxy color 21.0361, 0.1794, 0.1659 looks on a white background.

Color Contrast Check

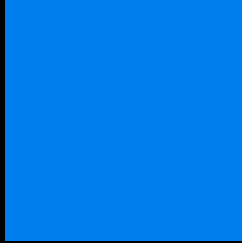
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0361, 0.1794, 0.1659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

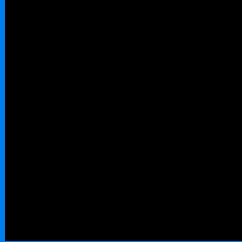
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

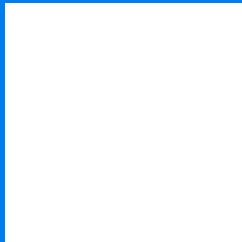
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0361, 0.1794, 0.1659

Background



This preview shows how black text looks on a background with the Yxy color 21.0361, 0.1794, 0.1659.



This preview shows how white text looks on a background with the Yxy color 21.0361, 0.1794, 0.1659.

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

21.0361, 0.1794, 0.1659

Protanopia

21.0312, 0.1925, 0.1683

Deuteranopia

20.8746, 0.1832, 0.1795



Tritanopia

20.9261, 0.2196, 0.3104

Trichromacy



Original Color

21.0361, 0.1794, 0.1659

Protanomaly

20.6200, 0.1847, 0.1661

Deuteranomaly

20.8359, 0.1817, 0.1743

Tritanomaly

20.6641, 0.2013, 0.2446

Monochromacy



Original Color

21.0361, 0.1794, 0.1659

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.4439, 0.2252, 0.2465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0361, 0.1794, 0.1659 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, 126, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 237)  
}
```

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, 126, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 237) }
```

Border

The CSS property to change the border of an element to Yxy 21.0361, 0.1794, 0.1659 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, 126, 237) }
```

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

```
.border{ border-color:rgb(0, 126, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0361, 0.1794, 0.1659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 237) }
```

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

```
.background{ background-color: rgb(0, 126,  
237) }
```

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