

Converting Colors

$Yxy(13.9929, 0.0813, 0.1378)$

Have a look what the booklet for
Yxy(13.9929, 0.0813, 0.1378)
contains.

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Color

Yxy(21.3215, 0.1812, 0.1723)

Conversions

Conversions Part 1

Format	Color
Hex	0080E9
RGB	0, 128, 233
RGB Percent	0%, 50%, 91%
CMY	1.0000, 0.4980, 0.0864
CMYK	1.00, 0.45, 0.00, 0.09
HSL	207°, 100%, 46%
HSV	207°, 100%, 91%
XYZ	22.4228, 21.3215, 80.0020
YIQ	101.6980, -109.9930, 5.5190

Conversions

Conversions Part 2

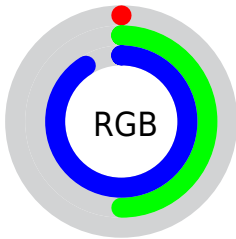
Format	Color
RYB	0, 83, 233
Decimal	33001
CIELab	53.30, 10.24, -60.99
CIELCh	53, 61.845, 279.535
Yxy	21.3215, 0.1812, 0.1723
Android (android.graphics.Color)	4278223081 (0xFF0080E9)
YUV	101.6980, 64.7319, -89.1891
Hunter-Lab	46.1752, 5.8736, -70.4017

Details

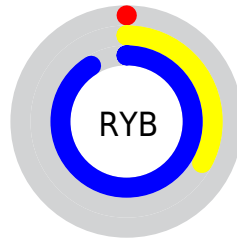
The Yxy color **21.3215, 0.1812, 0.1723** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **27.4140, 0.5575, 0.3955**, and the grayscale version is **13.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9267, 0.2191, 0.2333**, and **8.8719, 0.1732, 0.1436** is the 20% darker color. If you saturate the color by 10%, you get **21.3223, 0.1812, 0.1723**, and if you desaturate by 10%, it is **24.3896, 0.1876, 0.1889**.

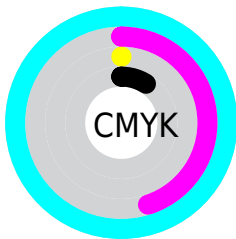
Distribution



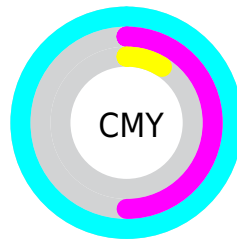
- Red (0%)
- Green (50%)
- Blue (91%)



- Red (0%)
- Yellow (33%)
- Blue (91%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3215, 0.1812, 0.1723 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 21.3215, 0.1812, 0.1723 by changing the saturation by 10% instead.

■ 21.3215, 0.1812,
0.1723

■ 21.3215, 0.1812,
0.1723

■ 258.9822, 0.2496,
0.2512

■ 13.3592, 0.1645,
0.1538

■ 45.6220, 0.2060,
0.2003

■ 7.6764, 0.1438,
0.1314

■ 62.7290, 0.2154,
0.2111

■ 3.8886, 0.1180,
0.1041

■ 83.6530, 0.2234,
0.2203

■ 1.6114, 0.0863,
0.0719

■ 108.7784, 0.2302,
0.2282

■ 0.3653, 0.0483,
0.0295

■ 138.4897, 0.2360,
0.2351

■ 0.0000, 0.0000,
0.0000

173.1711, 0.2411,

0.2412

213.2071, 0.2456,
0.2465

■ 21.3215, 0.1812,
0.1723

■ 21.3215, 0.1812,
0.1723

■ 21.3223, 0.1812,
0.1723

■ 24.3896, 0.1876,
0.1889

■ 27.9717, 0.1961,
0.2062

■ 32.1474, 0.2069,
0.2239

■ 36.9657, 0.2197,
0.2416

■ 42.4686, 0.2339,
0.2588

■ 48.6937, 0.2493,
0.2752

■ 55.6750, 0.2652,
0.2905

■ 63.4441, 0.2813,
0.3046

■ 72.0303, 0.2972,
0.3175

Harmonies

Analogous

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



21.3215, 0.1425, 0.1878



21.3215, 0.1812, 0.1723



21.3215, 0.2571, 0.1865

Triad

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



21.3215, 0.1812, 0.1723



21.3215, 0.5274, 0.3558



21.3215, 0.2375, 0.4771

Complementary

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



21.3215, 0.1812, 0.1723



27.4140, 0.5575, 0.3955

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.



21.3215, 0.3348, 0.5382



21.3215, 0.1812, 0.1723



21.3215, 0.5050, 0.4309

Square

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



21.3215, 0.1812, 0.1723



21.3215, 0.4753, 0.2864



21.3215, 0.4315, 0.5041



21.3215, 0.1668, 0.3481

Rectangle

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



21.3215, 0.1812, 0.1723



21.3215, 0.3277, 0.2107



21.3215, 0.4315, 0.5041



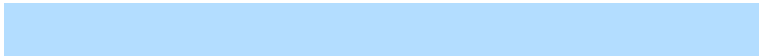
21.3215, 0.2684, 0.5092

Sweetspot

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



21.3223, 0.1812, 0.1723



68.2114, 0.2650, 0.2903



59.2778, 0.2777, 0.5198



13.7993, 0.2582, 0.2839



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.



21.3223, 0.1812, 0.1723



26.0094, 0.1810, 0.1715



6.1360, 0.1507, 0.0623



15.9210, 0.2981, 0.3181



12.3533, 0.1819, 0.1748



1.1618, 0.1883, 0.1980

Inverse Universe

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



18.8775, 0.4778, 0.2406



23.1568, 0.4788, 0.2411



69.2019, 0.4284, 0.4980



15.1926, 0.3207, 0.3161



10.7399, 0.4748, 0.2389



0.8627, 0.4476, 0.2239

Previews

White Background



This preview shows how the Yxy color 21.3215, 0.1812, 0.1723 looks on a white background.

Color Contrast Check

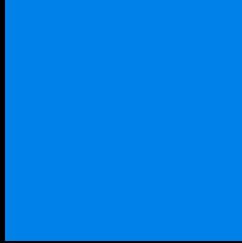
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3215, 0.1812, 0.1723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

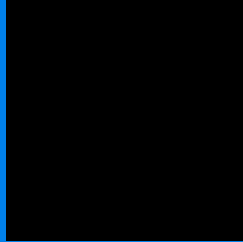
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

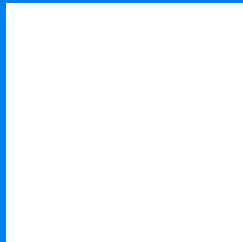
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.3215, 0.1812, 0.1723

Background



This preview shows how black text looks on a background with the Yxy color 21.3215, 0.1812, 0.1723.



This preview shows how white text looks on a background with the Yxy color 21.3215, 0.1812, 0.1723.

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

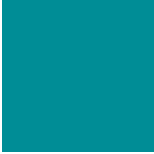
21.3215, 0.1812, 0.1723

Protanopia

21.3039, 0.1979, 0.1752

Deuteranopia

21.3020, 0.1829, 0.1782



Tritanopia

21.2518, 0.2196, 0.3105

Trichromacy



Original Color

21.3215, 0.1812, 0.1723

Protanomaly

21.0088, 0.1879, 0.1728

Deuteranomaly

21.4137, 0.1824, 0.1764

Tritanomaly

20.9036, 0.2023, 0.2481

Monochromacy



Original Color

21.3215, 0.1812, 0.1723

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.6947, 0.2264, 0.2489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3215, 0.1812, 0.1723 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, 233)` looks like.

```
.text, #text, p{  
  color:rgb(0, 128, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 233) }
```

Border

The CSS property to change the border of an element to Yxy 21.3215, 0.1812, 0.1723 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, 233) }
```

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

```
.border{ border-color:rgb(0, 128, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3215, 0.1812, 0.1723 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, 233) }
```

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

```
.background{ background-color: rgb(0, 128,  
233) }
```

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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