

Converting Colors

$Yxy(21.8611, 0.1824, 0.1765)$

Have a look what the booklet for
Yxy(21.8611, 0.1824, 0.1765)
contains.

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Color

Yxy(21.7915, 0.1823, 0.1762)

Conversions

Conversions Part 1

Format	Color
Hex	0082E8
RGB	0, 130, 232
RGB Percent	0%, 51%, 91%
CMY	0.9991, 0.4902, 0.0903
CMYK	1.00, 0.44, 0.00, 0.09
HSL	206°, 100%, 46%
HSV	206°, 100%, 91%
XYZ	22.5459, 21.7915, 79.3374
YIQ	102.7580, -110.2220, 4.1620

Conversions

Conversions Part 2

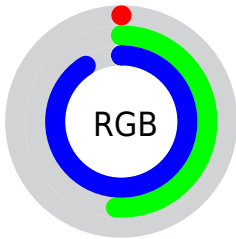
Format	Color
R _Y B	0, 83, 232
Decimal	33512
CIE Lab	53.81, 8.63, -59.62
CIE LCh	54, 60.239, 278.236
Yxy	21.7915, 0.1823, 0.1762
Android (android.graphics.Color)	4278223592 (0xFF0082E8)
YUV	102.7580, 63.7163, -90.1188
Hunter-Lab	46.6814, 4.5186, -68.0894

Details

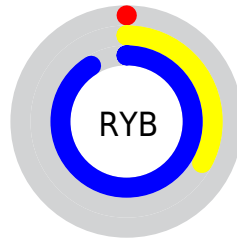
The Yxy color **21.7915, 0.1823, 0.1762** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **26.6905, 0.5604, 0.3932**, and the grayscale version is **13.3655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7401, 0.2197, 0.2360**, and **9.1692, 0.1742, 0.1472** is the 20% darker color. If you saturate the color by 10%, you get **21.7645, 0.1822, 0.1760**, and if you desaturate by 10%, it is **24.8292, 0.1886, 0.1925**.

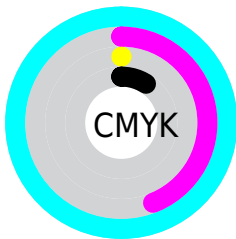
Distribution



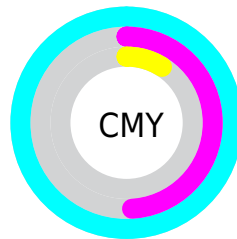
- Red (0%)
- Green (51%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7915, 0.1823, 0.1762 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 21.7915, 0.1823, 0.1762 by changing the saturation by 10% instead.

■ 21.7915, 0.1823,
0.1762

■ 21.7915, 0.1823,
0.1762

261.4555, 0.2500,
0.2534

■ 13.7038, 0.1658,
0.1580

■ 46.4012, 0.2069,
0.2037

■ 7.9149, 0.1452,
0.1358

■ 63.6919, 0.2162,
0.2143

■ 4.0406, 0.1196,
0.1086

■ 84.8190, 0.2240,
0.2233

■ 1.6963, 0.0880,
0.0762

■ 110.1671, 0.2308,
0.2310

■ 0.4212, 0.0499,
0.0344

■ 140.1203, 0.2366,
0.2377

■ 0.0000, 0.0000,
0.0000

175.0632, 0.2416,

0.2436

215.3801, 0.2461,
0.2488

■ 21.7915, 0.1823,
0.1762

■ 21.7915, 0.1823,
0.1762

■ 21.7645, 0.1822,
0.1760

■ 24.8292, 0.1886,
0.1925

■ 28.3655, 0.1970,
0.2094

■ 32.4776, 0.2077,
0.2267

■ 37.2133, 0.2203,
0.2439

■ 42.6136, 0.2344,
0.2607

■ 48.7151, 0.2497,
0.2767

■ 55.5511, 0.2655,
0.2916

■ 63.1522, 0.2815,
0.3054

■ 71.5471, 0.2974,
0.3179

Harmonies

Analogous

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



21.7915, 0.1457, 0.1932



21.7915, 0.1823, 0.1762



21.7915, 0.2549, 0.1889

Triad

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



21.7915, 0.1823, 0.1762



21.7915, 0.5203, 0.3532



21.7915, 0.2441, 0.4760

Complementary

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



21.7915, 0.1823, 0.1762



26.6905, 0.5604, 0.3932

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.



21.7915, 0.3395, 0.5312



21.7915, 0.1823, 0.1762



21.7915, 0.5024, 0.4264

Square

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



21.7915, 0.1823, 0.1762



21.7915, 0.4663, 0.2852



21.7915, 0.4331, 0.4973



21.7915, 0.1731, 0.3533

Rectangle

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



21.7915, 0.1823, 0.1762



21.7915, 0.3227, 0.2119



21.7915, 0.4331, 0.4973



21.7915, 0.2745, 0.5055

Sweetspot

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



21.7921, 0.1823, 0.1762



68.6375, 0.2651, 0.2912



58.6293, 0.2791, 0.5249



13.9004, 0.2583, 0.2850



0.0000, 0.0000, 0.0000



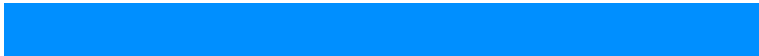
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7921, 0.1823, 0.1762



26.8061, 0.1820, 0.1752



6.1868, 0.1510, 0.0633



15.2194, 0.2981, 0.3184



12.3417, 0.1830, 0.1787



1.0964, 0.1896, 0.2026

Inverse Universe

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



18.7671, 0.4731, 0.2380



23.2372, 0.4743, 0.2386



66.5286, 0.4316, 0.4954



14.5025, 0.3205, 0.3159



10.4436, 0.4701, 0.2364



0.7904, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 21.7915, 0.1823, 0.1762 looks on a white background.

Color Contrast Check

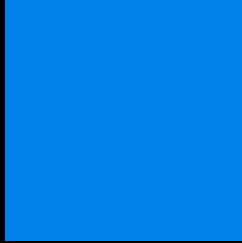
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7915, 0.1823, 0.1762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

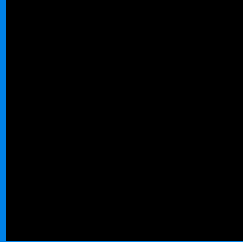
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

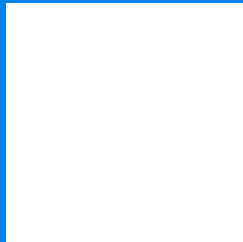
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.7915, 0.1823, 0.1762

Background



This preview shows how black text looks on a background with the Yxy color 21.7915, 0.1823, 0.1762.



This preview shows how white text looks on a background with the Yxy color 21.7915, 0.1823, 0.1762.

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

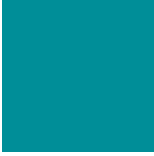
21.7915, 0.1823, 0.1762

Protanopia

21.8637, 0.2012, 0.1805

Deuteranopia

21.7348, 0.1825, 0.1771



Tritanopia

21.6130, 0.2191, 0.3087

Trichromacy



Original Color

21.7915, 0.1823, 0.1762

Protanomaly

21.4840, 0.1901, 0.1779

Deuteranomaly

21.7348, 0.1825, 0.1771

Tritanomaly

21.5132, 0.2029, 0.2505

Monochromacy



Original Color

21.7915, 0.1823, 0.1762

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.1705, 0.2280, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7915, 0.1823, 0.1762 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, 130, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 232)  
}
```

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, 130, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 232) }
```

Border

The CSS property to change the border of an element to Yxy 21.7915, 0.1823, 0.1762 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, 130, 232) }
```

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

```
.border{ border-color:rgb(0, 130, 232) }
```

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

Here you see how a box with a 4 pixel rgb(0, 130, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7915, 0.1823, 0.1762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 232) }
```

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

```
.background{ background-color: rgb(0, 130,  
232) }
```

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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