

Converting Colors

$Y_{xy}(21.8468, 0.1832, 0.1795)$

Have a look what the booklet for
Yxy(21.8468, 0.1832, 0.1795)
contains.

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Color

Yxy(21.9458, 0.1832, 0.1795)

Conversions

Conversions Part 1

Format	Color
Hex	0083E6
RGB	0, 131, 230
RGB Percent	0%, 51%, 90%
CMY	1.0000, 0.4863, 0.0980
CMYK	1.00, 0.43, 0.00, 0.10
HSL	206°, 100%, 45%
HSV	206°, 100%, 90%
XYZ	22.3982, 21.9458, 77.9168
YIQ	103.1170, -109.8550, 3.0170

Conversions

Conversions Part 2

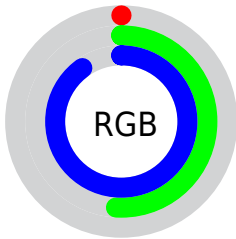
Format	Color
R _{YB}	0, 83, 230
Decimal	33766
CIE _{Lab}	53.97, 7.24, -58.25
CIE _{LCh}	54, 58.702, 277.088
Yxy	21.9458, 0.1832, 0.1795
Android (android.graphics.Color)	4278223846 (0xFF0083E6)
YUV	103.1170, 62.5533, -90.4336
Hunter-Lab	46.8463, 3.3633, -65.8211

Details

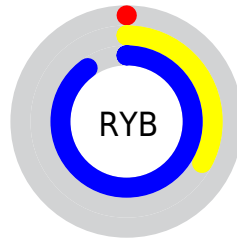
The Yxy color **21.9458, 0.1832, 0.1795** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **25.7455, 0.5633, 0.3909**, and the grayscale version is **13.4501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1511, 0.2200, 0.2373**, and **9.2425, 0.1753, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **21.9466, 0.1832, 0.1795**, and if you desaturate by 10%, it is **24.9164, 0.1894, 0.1955**.

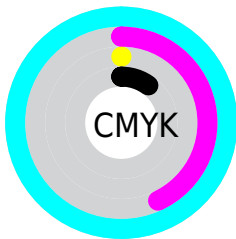
Distribution



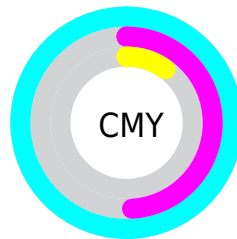
- Red (0%)
- Green (51%)
- Blue (90%)



- Red (0%)
- Yellow (33%)
- Blue (90%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (49%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9458, 0.1832, 0.1795 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 21.9458, 0.1832, 0.1795 by changing the saturation by 10% instead.

■ 21.9458, 0.1832,
0.1795

■ 21.9458, 0.1832,
0.1795

262.2631, 0.2505,
0.2554

■ 13.8171, 0.1667,
0.1615

■ 46.6564, 0.2076,
0.2067

■ 7.9936, 0.1462,
0.1393

■ 64.0071, 0.2169,
0.2171

■ 4.0908, 0.1206,
0.1121

■ 85.2005, 0.2247,
0.2259

■ 1.7245, 0.0888,
0.0793

■ 110.6211, 0.2314,
0.2335

■ 0.4394, 0.0501,
0.0370

■ 140.6533, 0.2371,
0.2401

■ 0.0000, 0.0000,
0.0000

175.6814, 0.2422,

0.2458

216.0899, 0.2466,
0.2509

■ 21.9458, 0.1832,
0.1795

■ 21.9458, 0.1832,
0.1795

■ 21.9466, 0.1832,
0.1795

■ 24.9164, 0.1894,
0.1955

■ 28.3636, 0.1977,
0.2121

■ 32.3640, 0.2082,
0.2290

■ 36.9639, 0.2206,
0.2458

■ 42.2031, 0.2346,
0.2621

■ 48.1169, 0.2497,
0.2777

■ 54.7377, 0.2654,
0.2923

■ 62.0951, 0.2814,
0.3058

■ 70.2167, 0.2972,
0.3180

Harmonies

Analogous

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



21.9458, 0.1484, 0.1977



21.9458, 0.1832, 0.1795



21.9458, 0.2531, 0.1909

Triad

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



21.9458, 0.1832, 0.1795



21.9458, 0.5143, 0.3509



21.9458, 0.2496, 0.4750

Complementary

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



21.9458, 0.1832, 0.1795



25.7455, 0.5633, 0.3909

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.



21.9458, 0.3434, 0.5255



21.9458, 0.1832, 0.1795



21.9458, 0.5001, 0.4226

Square

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



21.9458, 0.1832, 0.1795



21.9458, 0.4588, 0.2842



21.9458, 0.4344, 0.4916



21.9458, 0.1785, 0.3576

Rectangle

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



21.9458, 0.1832, 0.1795



21.9458, 0.3186, 0.2129



21.9458, 0.4344, 0.4916



21.9458, 0.2797, 0.5025

Sweetspot

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



21.9466, 0.1832, 0.1795



69.0257, 0.2652, 0.2921



57.4343, 0.2806, 0.5301



13.9925, 0.2585, 0.2860



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.



21.9466, 0.1832, 0.1795



27.5454, 0.1830, 0.1786



6.1845, 0.1512, 0.0644



15.2430, 0.2981, 0.3186



12.6726, 0.1839, 0.1820



1.1201, 0.1904, 0.2055

Inverse Universe

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



18.4615, 0.4691, 0.2358



23.3119, 0.4702, 0.2364



63.3278, 0.4349, 0.4929



14.5049, 0.3204, 0.3157



10.4770, 0.4662, 0.2342



0.7928, 0.4391, 0.2193

Previews

White Background



This preview shows how the Yxy color 21.9458, 0.1832, 0.1795 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 21.9458, 0.1832, 0.1795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

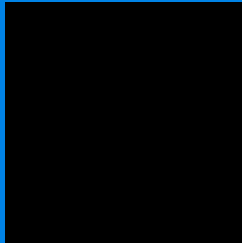
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

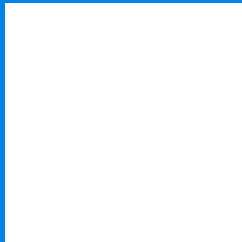
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9458, 0.1832, 0.1795

Background



This preview shows how black text looks on a background with the Yxy color 21.9458, 0.1832, 0.1795.



This preview shows how white text looks on a background with the Yxy color 21.9458, 0.1832, 0.1795.

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

21.9458, 0.1832, 0.1795

Protanopia

21.8880, 0.2035, 0.1828

Deuteranopia

21.8851, 0.1851, 0.1787



Tritanopia

21.9119, 0.2197, 0.3107

Trichromacy



Original Color

21.9458, 0.1832, 0.1795

Protanomaly

21.4266, 0.1913, 0.1799

Deuteranomaly

21.7886, 0.1840, 0.1784

Tritanomaly

21.7605, 0.2039, 0.2539

Monochromacy



Original Color

21.9458, 0.1832, 0.1795

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.1384, 0.2287, 0.2550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9458, 0.1832, 0.1795 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, 131, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 230)  
}
```

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, 131, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 230) }
```

Border

The CSS property to change the border of an element to Yxy 21.9458, 0.1832, 0.1795 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, 131, 230) }
```

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

```
.border{ border-color:rgb(0, 131, 230) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9458, 0.1832, 0.1795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 230) }
```

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

```
.background{ background-color: rgb(0, 131,  
230) }
```

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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