

Converting Colors

$Yxy(21.0176, 0.1811, 0.1455)$

Have a look what the booklet for
Yxy(21.0176, 0.1811, 0.1455)
contains.

Yxy(21.0176, 0.1811, 0.1455)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0176, 0.1811, 0.1455)

Conversions

Conversions Part 1

Format	Color
Hex	3876FF
RGB	56, 118, 255
RGB Percent	22%, 46%, 100%
CMY	0.7801, 0.5373, 0.0001
CMYK	0.78, 0.54, 0.00, 0.00
HSL	221°, 100%, 61%
HSV	221°, 78%, 100%
XYZ	26.1601, 21.0176, 97.2732
YIQ	115.0800, -80.9290, 29.4630

Conversions

Conversions Part 2

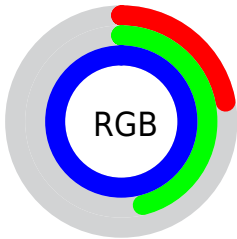
Format	Color
R _Y B	56, 103, 255
Decimal	3700479
CIE _{Lab}	52.97, 27.96, -73.71
CIE _{LCh}	53, 78.836, 290.773
Yxy	21.0176, 0.1811, 0.1455
Android (android.graphics.Color)	4281890559 (0xFF3876FF)
YUV	115.0800, 68.9806, -51.8132
Hunter-Lab	45.8450, 21.6270, -93.7093

Details

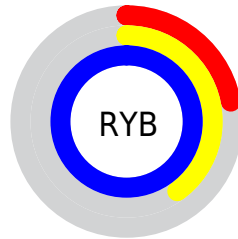
The Yxy color **21.0176, 0.1811, 0.1455** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **59.7147, 0.4596, 0.4496**, and the grayscale version is **16.9821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4212, 0.2283, 0.2218**, and **8.5377, 0.1651, 0.1143** is the 20% darker color. If you saturate the color by 10%, you get **16.7019, 0.1700, 0.1224**, and if you desaturate by 10%, it is **26.4781, 0.1953, 0.1710**.

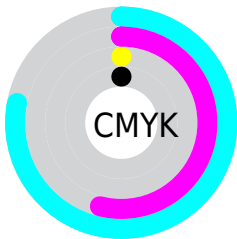
Distribution



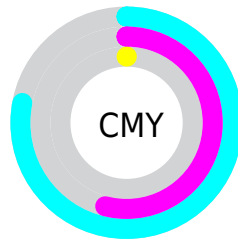
- Red (22%)
- Green (46%)
- Blue (100%)



- Red (22%)
- Yellow (40%)
- Blue (100%)



- Cyan (78%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0176, 0.1811, 0.1455 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 21.0176, 0.1811, 0.1455 by changing the saturation by 10% instead.


 21.0176, 0.1811,
0.1455


 21.0176, 0.1811,
0.1455


257.3720, 0.2494,
0.2328


 13.1369, 0.1648,
0.1268


 45.1168, 0.2057,
0.1752


 7.5229, 0.1448,
0.1049


 62.1041, 0.2150,
0.1870

 3.7912, 0.1202,
0.0797

 82.8957, 0.2230,
0.1973

 1.5575, 0.0904,
0.0519

 107.8760, 0.2298,
0.2062

 0.3287, 0.0566,
0.0185

137.4294, 0.2357,
0.2141

 0.0000, 0.0000,
0.0000

171.9402, 0.2409,

0.2210

211.7930, 0.2454,
0.2272

■ 21.0176, 0.1811,
0.1455

■ 21.0176, 0.1811,
0.1455

■ 16.7019, 0.1700,
0.1224

■ 26.4781, 0.1953,
0.1710

■ 13.4191, 0.1622,
0.1027

■ 33.1711, 0.2117,
0.1976

■ 12.8649, 0.1609,
0.0992

■ 41.1764, 0.2295,
0.2242

■ 50.5656, 0.2479,
0.2497

■ 61.4046, 0.2662,
0.2736

■ 73.7552, 0.2837,
0.2954

■ 87.6749, 0.3003,
0.3149

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



21.0176, 0.1233, 0.1478



21.0176, 0.1811, 0.1455



21.0176, 0.2881, 0.1731

Triad

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



21.0176, 0.1811, 0.1455



21.0176, 0.5735, 0.3790



21.0176, 0.1771, 0.4630

Complementary

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



21.0176, 0.1811, 0.1455



59.7147, 0.4596, 0.4496

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.



21.0176, 0.2821, 0.5917



21.0176, 0.1811, 0.1455



21.0176, 0.5075, 0.4713

Square

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



21.0176, 0.1811, 0.1455



21.0176, 0.5540, 0.2999



21.0176, 0.4001, 0.5661



21.0176, 0.1170, 0.2894

Rectangle

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



21.0176, 0.1811, 0.1455



21.0176, 0.3849, 0.2072



21.0176, 0.4001, 0.5661



21.0176, 0.2085, 0.5207

Sweetspot

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



21.0181, 0.1811, 0.1455



67.4035, 0.2751, 0.2848



76.1597, 0.2533, 0.4113



13.4935, 0.2687, 0.2768



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.



21.0181, 0.1811, 0.1455



14.6220, 0.1649, 0.1101



12.3588, 0.1813, 0.0936



18.3001, 0.2979, 0.3121



6.9556, 0.1617, 0.1020



0.8622, 0.1678, 0.1241

Inverse Universe

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



25.4014, 0.5049, 0.2793



22.3469, 0.5597, 0.2891



86.7829, 0.3870, 0.5124



18.0802, 0.3245, 0.3216



11.4301, 0.5728, 0.2929



1.1316, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 21.0176, 0.1811, 0.1455 looks on a white background.

Color Contrast Check

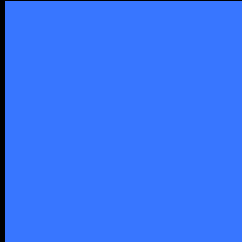
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0176, 0.1811, 0.1455 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

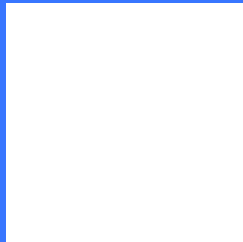
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0176, 0.1811, 0.1455

Background



This preview shows how black text looks on a background with the Yxy color 21.0176, 0.1811, 0.1455.



This preview shows how white text looks on a background with the Yxy color 21.0176, 0.1811, 0.1455.

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

21.0176, 0.1811, 0.1455

Protanopia

21.0653, 0.1756, 0.1467

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

21.0176, 0.1811, 0.1455

Protanomaly

20.9930, 0.1769, 0.1460

Deuteranomaly

20.5045, 0.1810, 0.1661

Tritanomaly

20.0122, 0.1986, 0.2274

Monochromacy



Original Color

21.0176, 0.1811, 0.1455

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.6236, 0.2401, 0.2384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0176, 0.1811, 0.1455 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(56, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 118, 255)  
}
```

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(56, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 118, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.0176, 0.1811, 0.1455 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(56, 118, 255) }
```

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

```
.border{ border-color:rgb(56, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 118,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0176, 0.1811, 0.1455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 118, 255) }
```

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

```
.background{ background-color: rgb(56, 118,  
255) }
```

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