

Converting Colors

$Yxy(21.5257, 0.1838, 0.1478)$

Have a look what the booklet for
Yxy(21.5257, 0.1838, 0.1478)
contains.

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Color

Yxy(21.5036, 0.1838, 0.1477)

Conversions

Conversions Part 1

Format	Color
Hex	4077FF
RGB	64, 119, 255
RGB Percent	25%, 47%, 100%
CMY	0.7488, 0.5333, 0.0001
CMYK	0.75, 0.53, 0.00, 0.00
HSL	223°, 100%, 63%
HSV	223°, 75%, 100%
XYZ	26.7594, 21.5036, 97.3267
YIQ	118.0590, -76.4360, 30.6360

Conversions

Conversions Part 2

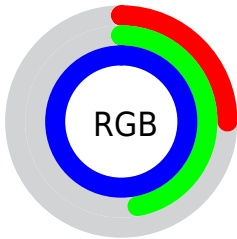
Format	Color
R _Y B	64, 107, 255
Decimal	4225023
CIE Lab	53.50, 28.15, -72.84
CIE LCh	53, 78.088, 291.132
Yxy	21.5036, 0.1838, 0.1477
Android (android.graphics.Color)	4282415103 (0xFF4077FF)
YUV	118.0590, 67.5119, -47.4097
Hunter-Lab	46.3720, 21.8542, -91.9790

Details

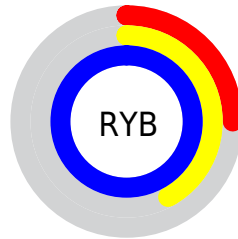
The Yxy color **21.5036, 0.1838, 0.1477** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **62.9429, 0.4504, 0.4514**, and the grayscale version is **17.9431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5801, 0.2315, 0.2251**, and **8.6659, 0.1655, 0.1157** is the 20% darker color. If you saturate the color by 10%, you get **16.9181, 0.1715, 0.1235**, and if you desaturate by 10%, it is **27.3063, 0.1990, 0.1743**.

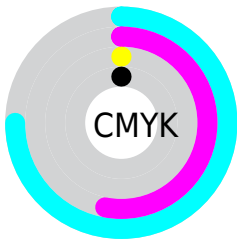
Distribution



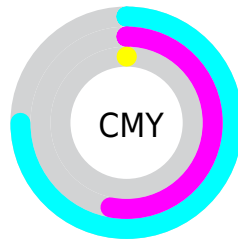
- Red (25%)
- Green (47%)
- Blue (100%)



- Red (25%)
- Yellow (42%)
- Blue (100%)



- Cyan (75%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5036, 0.1838, 0.1477 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 21.5036, 0.1838, 0.1477 by changing the saturation by 10% instead.


 21.5036, 0.1838,
0.1477


 21.5036, 0.1838,
0.1477

259.9429, 0.2507,
0.2339


 13.4926, 0.1678,
0.1291

 45.9242, 0.2079,
0.1771


 7.7686, 0.1480,
0.1074

 63.1025, 0.2171,
0.1887

 3.9473, 0.1237,
0.0823


 84.1055, 0.2249,
0.1989

 1.6441, 0.0941,
0.0544

 109.3174, 0.2316,
0.2077

 0.3871, 0.0601,
0.0216

139.1228, 0.2373,
0.2154

 0.0000, 0.0003,
0.0000

173.9058, 0.2424,

 0.0000, 0.0000,

0.2223

0.0000

214.0511, 0.2468,
0.2284

■ 21.5036, 0.1838,
0.1477

■ 21.5036, 0.1838,
0.1477

■ 16.9181, 0.1715,
0.1235

■ 27.3063, 0.1990,
0.1743

■ 13.4429, 0.1627,
0.1028

■ 34.4150, 0.2163,
0.2017

■ 12.0352, 0.1594,
0.0938

■ 42.9113, 0.2347,
0.2289

■ 52.8687, 0.2533,
0.2549

■ 64.3556, 0.2716,
0.2789

■ 77.4354, 0.2890,
0.3008

■ 92.1681, 0.3052,
0.3203

■ 99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



21.5036, 0.1259, 0.1498



21.5036, 0.1838, 0.1477



21.5036, 0.2903, 0.1754

Triad

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



21.5036, 0.1838, 0.1477



21.5036, 0.5699, 0.3806



21.5036, 0.1783, 0.4584

Complementary

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



21.5036, 0.1838, 0.1477



62.9429, 0.4504, 0.4514

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.



21.5036, 0.2821, 0.5861



21.5036, 0.1838, 0.1477



21.5036, 0.5049, 0.4719

Square

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



21.5036, 0.1838, 0.1477



21.5036, 0.5511, 0.3018



21.5036, 0.3988, 0.5642



21.5036, 0.1190, 0.2888

Rectangle

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



21.5036, 0.1838, 0.1477



21.5036, 0.3857, 0.2095



21.5036, 0.3988, 0.5642



21.5036, 0.2093, 0.5150

Sweetspot

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



21.5042, 0.1838, 0.1477



67.9737, 0.2767, 0.2855



76.6591, 0.2525, 0.4031



13.8225, 0.2719, 0.2793



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.



21.5042, 0.1838, 0.1477



15.0113, 0.1666, 0.1124



13.7286, 0.1880, 0.1017



18.2293, 0.2979, 0.3116



6.5097, 0.1602, 0.0965



0.8114, 0.1662, 0.1182

Inverse Universe

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



26.2592, 0.5003, 0.2832



22.7419, 0.5552, 0.2902



86.5945, 0.3838, 0.5095



18.0731, 0.3249, 0.3222



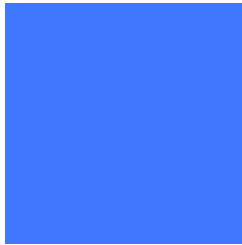
11.3851, 0.5811, 0.2975



1.1265, 0.5491, 0.2799

Previews

White Background



This preview shows how the Yxy color 21.5036, 0.1838, 0.1477 looks on a white background.

Color Contrast Check

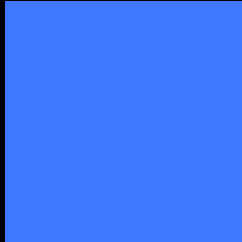
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5036, 0.1838, 0.1477 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 21.5036, 0.1838, 0.1477

Background



This preview shows how black text looks on a background with the Yxy color 21.5036, 0.1838, 0.1477.



This preview shows how white text looks on a background with the Yxy color 21.5036, 0.1838, 0.1477.

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

21.5036, 0.1838, 0.1477

Protanopia

21.4624, 0.1774, 0.1485

Deuteranopia

21.4015, 0.1841, 0.1826



Tritanopia

21.2841, 0.2190, 0.3085

Trichromacy



Original Color

21.5036, 0.1838, 0.1477

Protanomaly

21.4302, 0.1791, 0.1481

Deuteranomaly

21.1600, 0.1817, 0.1675

Tritanomaly

20.6313, 0.1998, 0.2299

Monochromacy



Original Color

21.5036, 0.1838, 0.1477

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3807, 0.2427, 0.2400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5036, 0.1838, 0.1477 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(64, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 119, 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(64, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.5036, 0.1838, 0.1477 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(64, 119, 255) }
```

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

```
.border{ border-color:rgb(64, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 119,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5036, 0.1838, 0.1477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 119, 255) }
```

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

```
.background{ background-color: rgb(64, 119,  
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](#).

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