

Converting Colors

$Y_{xy}(36.5883, 0.1992, 0.2147)$

Have a look what the booklet for
Yxy(36.5883, 0.1992, 0.2147)
contains.

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Color

Yxy(36.4367, 0.1990, 0.2141)

Conversions

Conversions Part 1

Format	Color
Hex	38A9FF
RGB	56, 169, 255
RGB Percent	22%, 66%, 100%
CMY	0.7809, 0.3372, 0.0000
CMYK	0.78, 0.34, 0.00, 0.00
HSL	206°, 100%, 61%
HSV	206°, 78%, 100%
XYZ	33.8669, 36.4367, 99.8818
YIQ	145.0170, -94.9540, 2.7900

Conversions

Conversions Part 2

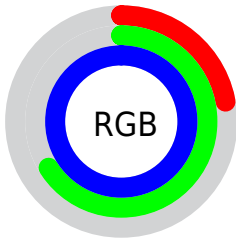
Format	Color
R _Y B	56, 128, 255
Decimal	3713535
CIE Lab	66.85, -2.65, -51.48
CIE LCh	67, 51.549, 267.054
Yxy	36.4367, 0.1990, 0.2141
Android (android.graphics.Color)	4281903615 (0xFF38A9FF)
YUV	145.0170, 54.2216, -78.0679
Hunter-Lab	60.3628, -5.4865, -55.8527

Details

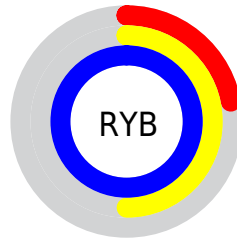
The Yxy color **36.4367, 0.1990, 0.2141** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **40.8504, 0.5092, 0.4031**, and the grayscale version is **28.1129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2771, 0.2412, 0.2920**, and **16.7998, 0.1857, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **31.9538, 0.1903, 0.1973**, and if you desaturate by 10%, it is **41.6363, 0.2099, 0.2312**.

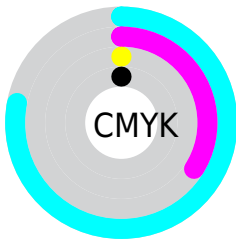
Distribution



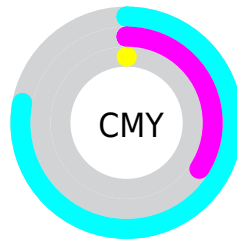
- Red (22%)
- Green (66%)
- Blue (100%)



- Red (22%)
- Yellow (50%)
- Blue (100%)



- Cyan (78%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (78%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4367, 0.1990, 0.2141 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 36.4367, 0.1990, 0.2141 by changing the saturation by 10% instead.


 36.4367, 0.1990,
0.2141


 36.4367, 0.1990,
0.2141


330.8653, 0.2544,
0.2705


 24.7717, 0.1861,
0.2009


 69.7056, 0.2185,
0.2341


 15.9070, 0.1703,
0.1846


 92.0782, 0.2260,
0.2417

 9.4584, 0.1507,
0.1642


 118.7888, 0.2325,
0.2483

 5.0414, 0.1259,
0.1383

 150.2218, 0.2380,
0.2540

 2.2715, 0.0948,
0.1056

186.7615, 0.2429,
0.2589

 0.7586, 0.0564,
0.0652

228.7924, 0.2472,

 0.0000, 0.0000,

0.2632

0.0000

276.6989, 0.2510,
0.2671

■ 36.4367, 0.1990,
0.2141

■ 36.4367, 0.1990,
0.2141

■ 31.9538, 0.1903,
0.1973

■ 41.6363, 0.2099,
0.2312

■ 28.1137, 0.1839,
0.1812

■ 47.6134, 0.2227,
0.2481

■ 27.4337, 0.1828,
0.1781

■ 54.4174, 0.2370,
0.2645

■ 62.0930, 0.2523,
0.2801

■ 70.6811, 0.2682,
0.2946

■ 80.2195, 0.2843,
0.3080

■ 90.7435, 0.3002,
0.3201

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



36.4367, 0.1791, 0.2409



36.4367, 0.1990, 0.2141



36.4367, 0.2467, 0.2145

Triad

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



36.4367, 0.1990, 0.2141



36.4367, 0.4551, 0.3331



36.4367, 0.2919, 0.4524

Complementary

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



36.4367, 0.1990, 0.2141



40.8504, 0.5092, 0.4031

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.



36.4367, 0.3665, 0.4727



36.4367, 0.1990, 0.2141



36.4367, 0.4655, 0.3904

Square

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



36.4367, 0.1990, 0.2141



36.4367, 0.3983, 0.2798



36.4367, 0.4306, 0.4431



36.4367, 0.2270, 0.3809

Rectangle

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



36.4367, 0.1990, 0.2141



36.4367, 0.2926, 0.2278



36.4367, 0.4306, 0.4431



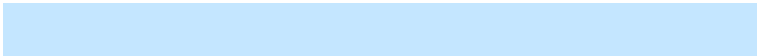
36.4367, 0.3167, 0.4658

Sweetspot

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



36.4358, 0.1990, 0.2141



75.4140, 0.2764, 0.3016



74.2166, 0.2752, 0.4859



15.4171, 0.2706, 0.2967



0.0000, 0.0000, 0.0000



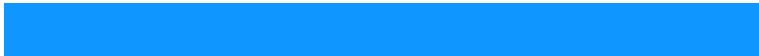
21.4041, 0.3127, 0.3290

Same Dimension

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



36.4358, 0.1990, 0.2141



29.6140, 0.1863, 0.1877



12.7525, 0.1685, 0.0976



19.0909, 0.2979, 0.3185



14.6373, 0.1836, 0.1808



1.6424, 0.1887, 0.1992

Inverse Universe

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



26.9410, 0.4262, 0.2305



23.8604, 0.4589, 0.2328



82.9301, 0.4236, 0.4836



18.1600, 0.3205, 0.3156



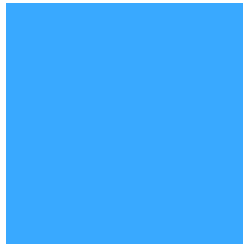
12.2056, 0.4676, 0.2350



1.2103, 0.4462, 0.2232

Previews

White Background



This preview shows how the Yxy color 36.4367, 0.1990, 0.2141 looks on a white background.

Color Contrast Check

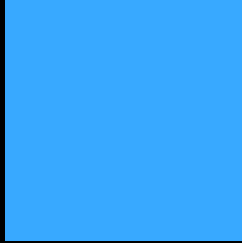
Large Text (above 18pt) WCAG AA × Fail

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 36.4367, 0.1990, 0.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

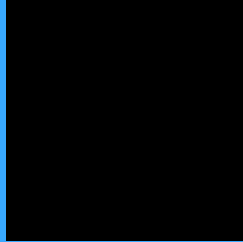
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

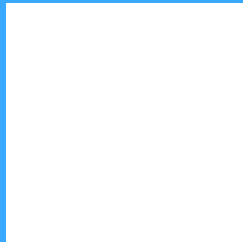
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4367, 0.1990, 0.2141

Background



This preview shows how black text looks on a background with the Yxy color 36.4367, 0.1990, 0.2141.



This preview shows how white text looks on a background with the Yxy color 36.4367, 0.1990, 0.2141.

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

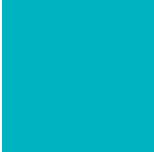
36.4367, 0.1990, 0.2141

Protanopia

36.2754, 0.2301, 0.2174

Deuteranopia

36.3119, 0.2152, 0.2096



Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



Original Color

36.4367, 0.1990, 0.2141

Protanomaly

35.9770, 0.2156, 0.2160

Deuteranomaly

36.3039, 0.2080, 0.2114

Tritanomaly

35.7665, 0.2088, 0.2666

Monochromacy



Original Color

36.4367, 0.1990, 0.2141

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.1247, 0.2522, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4367, 0.1990, 0.2141 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, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 169, 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, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.4367, 0.1990, 0.2141 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, 169, 255) }
```

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

```
.border{ border-color:rgb(56, 169, 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, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4367, 0.1990, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 169, 255) }
```

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

```
.background{ background-color: rgb(56, 169,  
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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