

Converting Colors

$Y_{xy}(36.5380, 0.2014, 0.2140)$

Have a look what the booklet for
Yxy(36.5380, 0.2014, 0.2140)
contains.

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Color

Yxy(36.3835, 0.2012, 0.2134)

Conversions

Conversions Part 1

Format	Color
Hex	42A8FF
RGB	66, 168, 255
RGB Percent	26%, 66%, 100%
CMY	0.7406, 0.3412, 0.0001
CMYK	0.74, 0.34, 0.00, 0.00
HSL	208°, 100%, 63%
HSV	208°, 74%, 100%
XYZ	34.3035, 36.3835, 99.8074
YIQ	147.4200, -88.7190, 5.4330

Conversions

Conversions Part 2

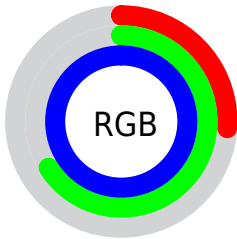
Format	Color
R _{YB}	66, 132, 255
Decimal	4368639
CIE _{Lab}	66.81, -0.96, -51.50
CIE _{LCh}	67, 51.511, 268.933
Y _{xy}	36.3835, 0.2012, 0.2134
Android (android.graphics.Color)	4282558719 (0xFF42A8FF)
YUV	147.4200, 53.0369, -71.4053
Hunter-Lab	60.3187, -4.0442, -55.8821

Details

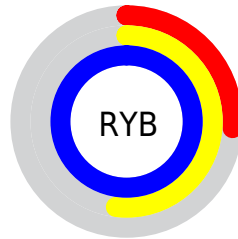
The Yxy color **36.3835, 0.2012, 0.2134** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **44.4773, 0.4918, 0.4079**, and the grayscale version is **29.1798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2296, 0.2436, 0.2910**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.5429, 0.1912, 0.1953**, and if you desaturate by 10%, it is **42.0128, 0.2133, 0.2316**.

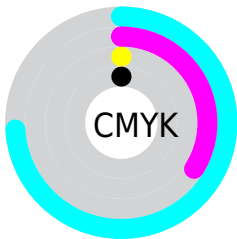
Distribution



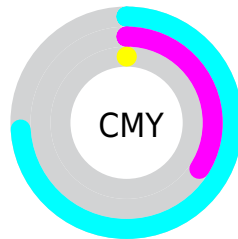
- Red (26%)
- Green (66%)
- Blue (100%)



- Red (26%)
- Yellow (52%)
- Blue (100%)



- Cyan (74%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3835, 0.2012, 0.2134 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 36.3835, 0.2012, 0.2134 by changing the saturation by 10% instead.


 36.3835, 0.2012,
0.2134


 36.3835, 0.2012,
0.2134


330.6337, 0.2557,
0.2700


 24.7305, 0.1885,
0.2002


 69.6236, 0.2204,
0.2334

 15.8764, 0.1729,
0.1839


 91.9795, 0.2278,
0.2411

 9.4367, 0.1534,
0.1635


 118.6718, 0.2341,
0.2477

 5.0271, 0.1288,
0.1377

 150.0849, 0.2396,
0.2534

 2.2632, 0.0978,
0.1050

186.6033, 0.2444,
0.2583

 0.7541, 0.0595,
0.0647

228.6113, 0.2486,

 0.0000, 0.0000,

0.2627

0.0000

276.4933, 0.2523,
0.2666

■ 36.3835, 0.2012,
0.2134

■ 36.3835, 0.2012,
0.2134

■ 31.5429, 0.1912,
0.1953

■ 42.0128, 0.2133,
0.2316

■ 27.4204, 0.1836,
0.1779

■ 48.4836, 0.2272,
0.2496

■ 25.2598, 0.1800,
0.1680

■ 55.8469, 0.2424,
0.2669

■ 64.1472, 0.2583,
0.2831

■ 73.4259, 0.2745,
0.2982

■ 83.7211, 0.2907,
0.3120

■ 95.0688, 0.3065,
0.3244

■ 99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



36.3835, 0.1796, 0.2383



36.3835, 0.2012, 0.2134



36.3835, 0.2506, 0.2153

Triad

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



36.3835, 0.2012, 0.2134



36.3835, 0.4572, 0.3367



36.3835, 0.2873, 0.4491

Complementary

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



36.3835, 0.2012, 0.2134



44.4773, 0.4918, 0.4079

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.



36.3835, 0.3619, 0.4731



36.3835, 0.2012, 0.2134



36.3835, 0.4645, 0.3940

Square

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



36.3835, 0.2012, 0.2134



36.3835, 0.4029, 0.2829



36.3835, 0.4272, 0.4459



36.3835, 0.2237, 0.3756

Rectangle

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



36.3835, 0.2012, 0.2134



36.3835, 0.2974, 0.2295



36.3835, 0.4272, 0.4459



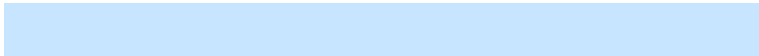
36.3835, 0.3120, 0.4637

Sweetspot

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



36.3847, 0.2012, 0.2134



75.4742, 0.2779, 0.3012



74.9106, 0.2725, 0.4682



15.5826, 0.2735, 0.2973



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.



36.3847, 0.2012, 0.2134



29.4258, 0.1872, 0.1866



13.4937, 0.1727, 0.1020



19.0009, 0.2979, 0.3178



13.5031, 0.1808, 0.1707



1.5334, 0.1862, 0.1901

Inverse Universe

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



27.9966, 0.4257, 0.2372



24.3096, 0.4593, 0.2366



87.2844, 0.4160, 0.4839



18.1509, 0.3209, 0.3163



12.0911, 0.4797, 0.2416



1.1993, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 36.3835, 0.2012, 0.2134 looks on a white background.

Color Contrast Check

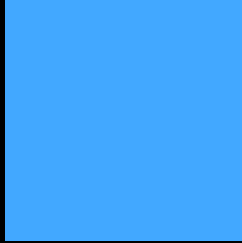
Large Text (above 18pt) WCAG AA × Fail

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 36.3835, 0.2012, 0.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

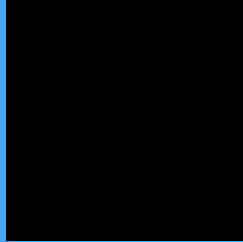
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

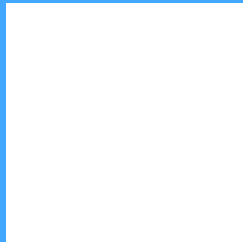
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3835, 0.2012, 0.2134

Background



This preview shows how black text looks on a background with the Yxy color 36.3835, 0.2012, 0.2134.



This preview shows how white text looks on a background with the Yxy color 36.3835, 0.2012, 0.2134.

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

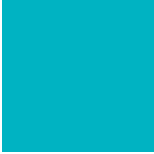
36.3835, 0.2012, 0.2134

Protanopia

35.9149, 0.2288, 0.2150

Deuteranopia

36.3119, 0.2152, 0.2096



Tritanopia

36.1352, 0.2179, 0.3046

Trichromacy



Original Color

36.3835, 0.2012, 0.2134

Protanomaly

35.8686, 0.2163, 0.2141

Deuteranomaly

36.0981, 0.2088, 0.2103

Tritanomaly

35.8120, 0.2092, 0.2666

Monochromacy



Original Color

36.3835, 0.2012, 0.2134

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.8394, 0.2555, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3835, 0.2012, 0.2134 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(66, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 168, 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(66, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.3835, 0.2012, 0.2134 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(66, 168, 255) }
```

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

```
.border{ border-color:rgb(66, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3835, 0.2012, 0.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 168, 255) }
```

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

```
.background{ background-color: rgb(66, 168,  
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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