

Converting Colors

$Y_{xy}(36.0080, 0.2009, 0.2119)$

Have a look what the booklet for
Yxy(36.0080, 0.2009, 0.2119)
contains.

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Color

Yxy(36.0157, 0.2008, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	42A7FF
RGB	66, 167, 255
RGB Percent	26%, 65%, 100%
CMY	0.7413, 0.3451, 0.0000
CMYK	0.74, 0.35, 0.00, 0.00
HSL	208°, 100%, 63%
HSV	208°, 74%, 100%
XYZ	34.1130, 36.0157, 99.7567
YIQ	146.8330, -88.4440, 5.9560

Conversions

Conversions Part 2

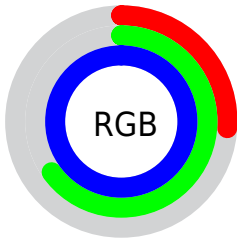
Format	Color
R _{YB}	66, 132, 255
Decimal	4368383
CIE Lab	66.53, -0.41, -51.95
CIE LCh	67, 51.954, 269.545
Yxy	36.0157, 0.2008, 0.2120
Android (android.graphics.Color)	4282558463 (0xFF42A7FF)
YUV	146.8330, 53.3263, -70.8905
Hunter-Lab	60.0131, -3.5589, -56.5456

Details

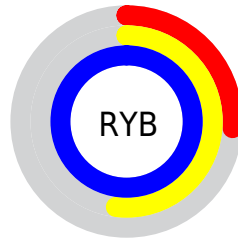
The Yxy color **36.0157, 0.2008, 0.2120** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **44.7527, 0.4912, 0.4088**, and the grayscale version is **28.9067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6968, 0.2433, 0.2898**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.1684, 0.1908, 0.1938**, and if you desaturate by 10%, it is **41.6589, 0.2130, 0.2304**.

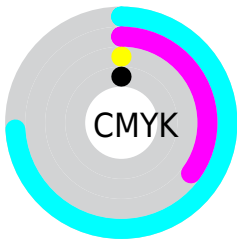
Distribution



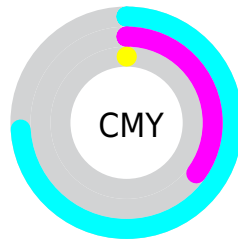
- Red (26%)
- Green (65%)
- Blue (100%)



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



- Cyan (74%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0157, 0.2008, 0.2120 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 36.0157, 0.2008, 0.2120 by changing the saturation by 10% instead.


 36.0157, 0.2008,
0.2120


 36.0157, 0.2008,
0.2120


329.0292, 0.2555,
0.2693

 24.4463, 0.1881,
0.1986


 69.0563, 0.2201,
0.2322


 15.6650, 0.1724,
0.1822


 91.2963, 0.2275,
0.2400

 9.2874, 0.1528,
0.1616


 117.8620, 0.2339,
0.2467

 4.9291, 0.1280,
0.1356

 149.1377, 0.2394,
0.2524

 2.2057, 0.0969,
0.1028

185.5079, 0.2442,
0.2575

 0.7231, 0.0584,
0.0624

227.3569, 0.2484,

 0.0000, 0.0000,

0.2619

0.0000

275.0692, 0.2522,
0.2658

■ 36.0157, 0.2008,
0.2120

■ 36.0157, 0.2008,
0.2120

■ 31.1684, 0.1908,
0.1938

■ 41.6589, 0.2130,
0.2304

■ 27.0458, 0.1831,
0.1762

■ 48.1512, 0.2269,
0.2486

■ 24.9105, 0.1795,
0.1663

■ 55.5439, 0.2422,
0.2661

■ 63.8821, 0.2581,
0.2825

■ 73.2072, 0.2744,
0.2978

■ 83.5577, 0.2906,
0.3117

■ 94.9700, 0.3064,
0.3242

■ 99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



36.0157, 0.1784, 0.2365



36.0157, 0.2008, 0.2120



36.0157, 0.2512, 0.2145

Triad

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



36.0157, 0.2008, 0.2120



36.0157, 0.4596, 0.3377



36.0157, 0.2854, 0.4496

Complementary

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



36.0157, 0.2008, 0.2120



44.7527, 0.4912, 0.4088

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.



36.0157, 0.3607, 0.4749



36.0157, 0.2008, 0.2120



36.0157, 0.4658, 0.3956

Square

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



36.0157, 0.2008, 0.2120



36.0157, 0.4054, 0.2834



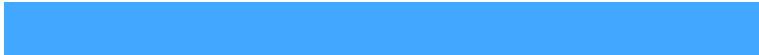
36.0157, 0.4272, 0.4479



36.0157, 0.2216, 0.3743

Rectangle

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



36.0157, 0.2008, 0.2120



36.0157, 0.2988, 0.2291



36.0157, 0.4272, 0.4479



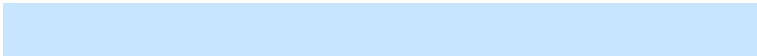
36.0157, 0.3103, 0.4648

Sweetspot

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



36.0169, 0.2008, 0.2120



75.3234, 0.2778, 0.3009



74.9100, 0.2725, 0.4683



15.5470, 0.2734, 0.2969



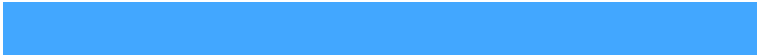
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.0169, 0.2008, 0.2120



29.0742, 0.1867, 0.1851



13.4678, 0.1726, 0.1018



18.9857, 0.2979, 0.3177



13.3189, 0.1803, 0.1691



1.5156, 0.1857, 0.1886

Inverse Universe

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



27.9433, 0.4272, 0.2380



24.2741, 0.4611, 0.2376



87.2869, 0.4160, 0.4839



18.1494, 0.3210, 0.3164



12.0725, 0.4818, 0.2428



1.1975, 0.4584, 0.2299

Previews

White Background



This preview shows how the Yxy color 36.0157, 0.2008, 0.2120 looks on a white background.

Color Contrast Check

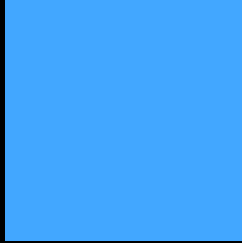
Large Text (above 18pt) WCAG AA × Fail

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 36.0157, 0.2008, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

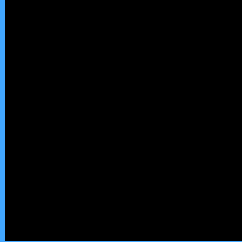
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

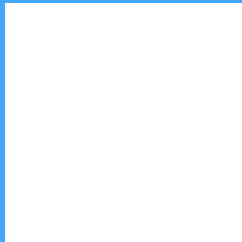
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0157, 0.2008, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 36.0157, 0.2008, 0.2120.

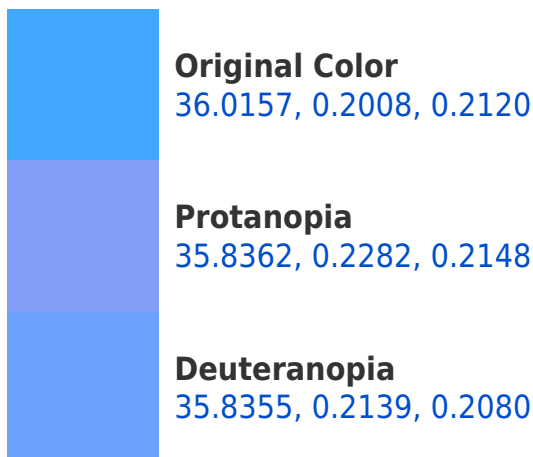


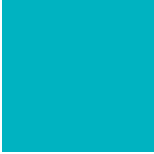
This preview shows how white text looks on a background with the Yxy color 36.0157, 0.2008, 0.2120.

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





Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



Original Color

36.0157, 0.2008, 0.2120

Protanomaly

35.4560, 0.2155, 0.2126

Deuteranomaly

35.6897, 0.2081, 0.2089

Tritanomaly

35.8120, 0.2092, 0.2666

Monochromacy



Original Color

36.0157, 0.2008, 0.2120

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5079, 0.2552, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0157, 0.2008, 0.2120 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 167, 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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.0157, 0.2008, 0.2120 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, 167, 255) }
```

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

```
.border{ border-color:rgb(66, 167, 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, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0157, 0.2008, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 167, 255) }
```

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

```
.background{ background-color: rgb(66, 167,  
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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