

Converting Colors

$Yxy(35.7143, 0.2195, 0.2062)$

Have a look what the booklet for
Yxy(35.7143, 0.2195, 0.2062)
contains.

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Color

Yxy(35.6668, 0.2196, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	789EFF
RGB	120, 158, 255
RGB Percent	47%, 62%, 100%
CMY	0.5292, 0.3804, 0.0002
CMYK	0.53, 0.38, 0.00, 0.00
HSL	223°, 100%, 74%
HSV	223°, 53%, 100%
XYZ	38.0215, 35.6668, 99.4515
YIQ	157.6960, -53.7850, 22.1110

Conversions

Conversions Part 2

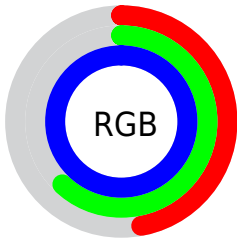
Format	Color
R _Y B	120, 150, 255
Decimal	7905023
CIE Lab	66.26, 13.82, -52.21
CIE LCh	66, 54.013, 284.828
Yxy	35.6668, 0.2196, 0.2060
Android (android.graphics.Color)	4286095103 (0xFF789EFF)
YUV	157.6960, 47.9709, -33.0594
Hunter-Lab	59.7217, 9.1281, -56.9275

Details

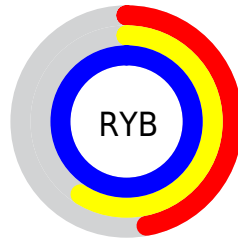
The Yxy color **35.6668, 0.2196, 0.2060** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.2382, 0.4091, 0.4256**, and the grayscale version is **33.8495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8907, 0.2641, 0.2804**, and **15.4625, 0.1945, 0.1755** is the 20% darker color. If you saturate the color by 10%, you get **28.2885, 0.2020, 0.1783**, and if you desaturate by 10%, it is **44.4648, 0.2382, 0.2332**.

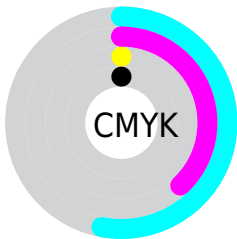
Distribution



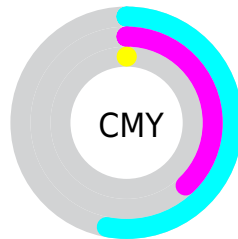
- Red (47%)
- Green (62%)
- Blue (100%)



- Red (47%)
- Yellow (59%)
- Blue (100%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6668, 0.2196, 0.2060 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 35.6668, 0.2196, 0.2060 by changing the saturation by 10% instead.


 35.6668, 0.2196,
0.2060


 35.6668, 0.2196,
0.2060

327.5018, 0.2661,
0.2649


 24.1770, 0.2084,
0.1925


 68.5175, 0.2363,
0.2266

 15.4649, 0.1945,
0.1760


 90.6471, 0.2426,
0.2346

 9.1463, 0.1768,
0.1556


 117.0921, 0.2480,
0.2414

 4.8368, 0.1539,
0.1300

148.2369, 0.2526,
0.2474

 2.1518, 0.1239,
0.0981

184.4659, 0.2567,
0.2526

 0.6935, 0.0851,
0.0587

226.1634, 0.2602,

 0.0000, 0.0000,

0.2572

0.0000

273.7140, 0.2634,
0.2613

■ 35.6668, 0.2196,
0.2060

■ 35.6668, 0.2196,
0.2060

■ 28.2885, 0.2020,
0.1783

■ 44.4648, 0.2382,
0.2332

■ 22.2456, 0.1862,
0.1513

■ 54.7526, 0.2569,
0.2591

■ 17.4497, 0.1733,
0.1264

■ 66.5994, 0.2751,
0.2830

■ 13.7975, 0.1637,
0.1050

■ 80.0693, 0.2923,
0.3046

■ 11.8162, 0.1590,
0.0924

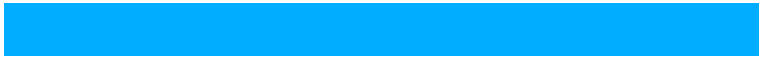
■ 95.2221, 0.3083,
0.3238

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



35.6668, 0.1819, 0.2162



35.6668, 0.2196, 0.2060



35.6668, 0.2855, 0.2212

Triad

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



35.6668, 0.2196, 0.2060



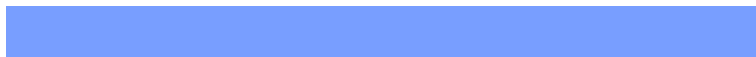
35.6668, 0.4755, 0.3678



35.6668, 0.2474, 0.4194

Complementary

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



35.6668, 0.2196, 0.2060



72.2382, 0.4091, 0.4256

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.



35.6668, 0.3220, 0.4763



35.6668, 0.2196, 0.2060



35.6668, 0.4559, 0.4266

Square

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



35.6668, 0.2196, 0.2060



35.6668, 0.4436, 0.3091



35.6668, 0.3982, 0.4721



35.6668, 0.1946, 0.3302

Rectangle

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



35.6668, 0.2196, 0.2060



35.6668, 0.3408, 0.2434



35.6668, 0.3982, 0.4721



35.6668, 0.2707, 0.4445

Sweetspot

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



35.6680, 0.2196, 0.2060



75.7637, 0.2871, 0.2982



80.4854, 0.2610, 0.3752



15.6165, 0.2836, 0.2938



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.



35.6680, 0.2196, 0.2060



28.2410, 0.2018, 0.1780



27.0782, 0.2295, 0.1670



18.2096, 0.2979, 0.3114



6.3924, 0.1598, 0.0951



0.7978, 0.1658, 0.1167

Inverse Universe

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



37.1656, 0.4230, 0.2905



31.2078, 0.4576, 0.2858



88.9748, 0.3694, 0.4667



18.0711, 0.3250, 0.3223



11.3733, 0.5833, 0.2987



1.1251, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 35.6668, 0.2196, 0.2060 looks on a white background.

Color Contrast Check

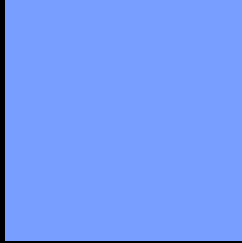
Large Text (above 18pt) WCAG AA × Fail

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 35.6668, 0.2196, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

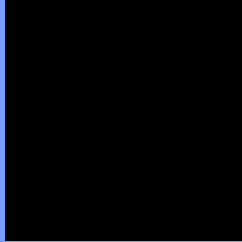
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

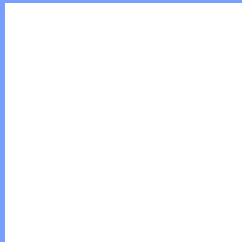
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6668, 0.2196, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 35.6668, 0.2196, 0.2060.



This preview shows how white text looks on a background with the Yxy color 35.6668, 0.2196, 0.2060.

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

35.6668, 0.2196, 0.2060

Protanopia

35.5548, 0.2219, 0.2062

Deuteranopia

35.8336, 0.2148, 0.2091



Tritanopia

35.5370, 0.2456, 0.3069

Trichromacy



Original Color

35.6668, 0.2196, 0.2060

Protanomaly

35.4807, 0.2213, 0.2060

Deuteranomaly

35.7421, 0.2165, 0.2083

Tritanomaly

35.3438, 0.2352, 0.2647

Monochromacy



Original Color

35.6668, 0.2196, 0.2060

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.2333, 0.2714, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6668, 0.2196, 0.2060 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(120, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 158, 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(120, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.6668, 0.2196, 0.2060 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(120, 158, 255) }
```

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

```
.border{ border-color:rgb(120, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6668, 0.2196, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 158, 255) }
```

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

```
.background{ background-color: rgb(120,  
158, 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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