

Converting Colors

$Yxy(34.6074, 0.2118, 0.2036)$

Have a look what the booklet for
Yxy(34.6074, 0.2118, 0.2036)
contains.

Yxy(34.6168, 0.2117, 0.2036)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.6168, 0.2117, 0.2036)

Conversions

Conversions Part 1

Format	Color
Hex	689EFF
RGB	104, 158, 255
RGB Percent	41%, 62%, 100%
CMY	0.5919, 0.3804, 0.0000
CMYK	0.59, 0.38, 0.00, 0.00
HSL	219°, 100%, 70%
HSV	219°, 59%, 100%
XYZ	35.9940, 34.6168, 99.4128
YIQ	152.9120, -63.3210, 18.7190

Conversions

Conversions Part 2

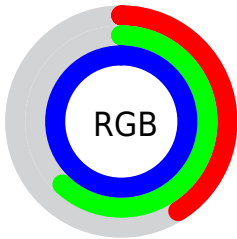
Format	Color
R _Y B	104, 144, 255
Decimal	6856447
CIE Lab	65.45, 10.67, -53.60
CIE LCh	65, 54.647, 281.259
Yxy	34.6168, 0.2117, 0.2036
Android (android.graphics.Color)	4285046527 (0xFF689EFF)
YUV	152.9120, 50.3294, -42.8958
Hunter-Lab	58.8360, 6.2375, -58.9946

Details

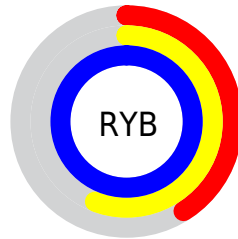
The Yxy color **34.6168, 0.2117, 0.2036** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.0713, 0.4287, 0.4249**, and the grayscale version is **31.6183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3063, 0.2561, 0.2793**, and **14.8256, 0.1845, 0.1720** is the 20% darker color. If you saturate the color by 10%, you get **28.0900, 0.1961, 0.1785**, and if you desaturate by 10%, it is **42.3497, 0.2288, 0.2286**.

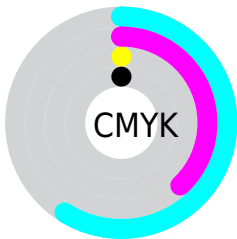
Distribution



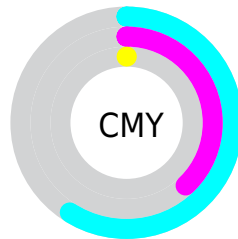
- Red (41%)
- Green (62%)
- Blue (100%)



- Red (41%)
- Yellow (56%)
- Blue (100%)



- Cyan (59%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6168, 0.2117, 0.2036 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 34.6168, 0.2117, 0.2036 by changing the saturation by 10% instead.


 34.6168, 0.2117,
0.2036


 34.6168, 0.2117,
0.2036


322.8737, 0.2620,
0.2640


 23.3678, 0.1997,
0.1897


 66.8917, 0.2296,
0.2247

 14.8654, 0.1849,
0.1728


 88.6864, 0.2365,
0.2329

 8.7249, 0.1661,
0.1518


 114.7652, 0.2423,
0.2400

 4.5622, 0.1420,
0.1255

145.5124, 0.2474,
0.2461

 1.9928, 0.1109,
0.0930

181.3125, 0.2517,
0.2514

 0.6033, 0.0722,
0.0522

222.5498, 0.2556,

 0.0000, 0.0000,

0.2561

0.0000

269.6087, 0.2590,
0.2603

■ 34.6168, 0.2117,
0.2036

■ 34.6168, 0.2117,
0.2036

■ 28.0900, 0.1961,
0.1785

■ 42.3497, 0.2288,
0.2286

■ 22.6983, 0.1827,
0.1543

■ 51.3554, 0.2466,
0.2525

■ 18.3589, 0.1722,
0.1319

■ 61.6936, 0.2645,
0.2749

■ 14.9617, 0.1647,
0.1123

■ 73.4200, 0.2818,
0.2954

■ 14.7189, 0.1641,
0.1108

■ 86.5872, 0.2984,
0.3138

100.0000, 0.3127,
0.3290

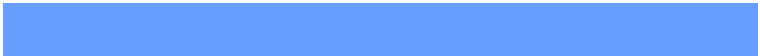
Harmonies

Analogous

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



34.6168, 0.1769, 0.2171



34.6168, 0.2117, 0.2036



34.6168, 0.2755, 0.2162

Triad

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



34.6168, 0.2117, 0.2036



34.6168, 0.4779, 0.3608



34.6168, 0.2541, 0.4313

Complementary

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



34.6168, 0.2117, 0.2036



64.0713, 0.4287, 0.4249

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.



34.6168, 0.3314, 0.4825



34.6168, 0.2117, 0.2036



34.6168, 0.4634, 0.4211

Square

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



34.6168, 0.2117, 0.2036



34.6168, 0.4391, 0.3017



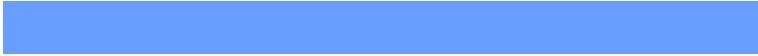
34.6168, 0.4079, 0.4708



34.6168, 0.1970, 0.3408

Rectangle

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



34.6168, 0.2117, 0.2036



34.6168, 0.3309, 0.2372



34.6168, 0.4079, 0.4708



34.6168, 0.2786, 0.4552

Sweetspot

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



34.6163, 0.2117, 0.2036



74.9098, 0.2839, 0.2977



78.6212, 0.2628, 0.3984



15.2614, 0.2789, 0.2920



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.



34.6163, 0.2117, 0.2036



27.0319, 0.1935, 0.1740



21.4334, 0.2092, 0.1430



18.4396, 0.2979, 0.3133



7.9461, 0.1650, 0.1138



0.9712, 0.1712, 0.1363

Inverse Universe

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



33.6423, 0.4289, 0.2756



28.0041, 0.4670, 0.2707



90.1618, 0.3828, 0.4762



18.0943, 0.3238, 0.3205



11.5301, 0.5555, 0.2834



1.1426, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 34.6168, 0.2117, 0.2036 looks on a white background.

Color Contrast Check

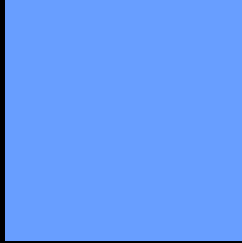
Large Text (above 18pt) WCAG AA × Fail

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 34.6168, 0.2117, 0.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

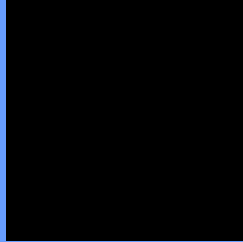
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

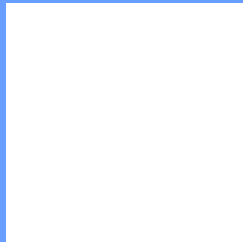
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.6168, 0.2117, 0.2036

Background



This preview shows how black text looks on a background with the Yxy color 34.6168, 0.2117, 0.2036.



This preview shows how white text looks on a background with the Yxy color 34.6168, 0.2117, 0.2036.

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

34.6168, 0.2117, 0.2036

Protanopia

34.5359, 0.2206, 0.2049

Deuteranopia

34.7830, 0.2106, 0.2046



Tritanopia

34.5061, 0.2347, 0.3063

Trichromacy



Original Color

34.6168, 0.2117, 0.2036

Protanomaly

34.5136, 0.2173, 0.2044

Deuteranomaly

34.8411, 0.2111, 0.2047

Tritanomaly

34.2719, 0.2251, 0.2630

Monochromacy



Original Color

34.6168, 0.2117, 0.2036

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.3113, 0.2658, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6168, 0.2117, 0.2036 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(104, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.6168, 0.2117, 0.2036 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(104, 158, 255) }
```

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

```
.border{ border-color:rgb(104, 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(104, 158, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6168, 0.2117, 0.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 158, 255) }
```

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

```
.background{ background-color: rgb(104,  
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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