

Converting Colors

$Y_{xy}(34.3879, 0.2254, 0.2334)$

Have a look what the booklet for
Yxy(34.3879, 0.2254, 0.2334)
contains.

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Color

Yxy(34.3911, 0.2254, 0.2334)

Conversions

Conversions Part 1

Format	Color
Hex	6CA1E6
RGB	108, 161, 230
RGB Percent	42%, 63%, 90%
CMY	0.5764, 0.3686, 0.0981
CMYK	0.53, 0.30, 0.00, 0.10
HSL	214°, 71%, 66%
HSV	214°, 53%, 90%
XYZ	33.2123, 34.3911, 79.7449
YIQ	153.0190, -53.7370, 10.2230

Conversions

Conversions Part 2

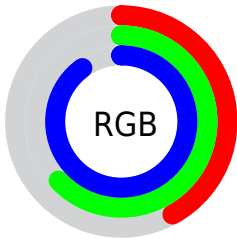
Format	Color
R _Y B	108, 145, 230
Decimal	7119334
CIE Lab	65.27, 1.86, -40.15
CIE LCh	65, 40.198, 272.658
Yxy	34.3911, 0.2254, 0.2334
Android (android.graphics.Color)	4285309414 (0xFF6CA1E6)
YUV	153.0190, 37.9516, -39.4817
Hunter-Lab	58.6439, -1.5354, -39.5727

Details

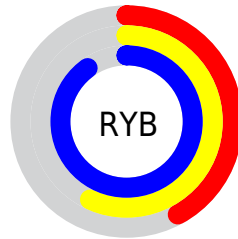
The Yxy color **34.3911, 0.2254, 0.2334** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.3526, 0.4205, 0.4064**, and the grayscale version is **31.7154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4387, 0.2573, 0.2842**, and **14.7657, 0.2008, 0.2074** is the 20% darker color. If you saturate the color by 10%, you get **28.8225, 0.2099, 0.2114**, and if you desaturate by 10%, it is **40.8155, 0.2420, 0.2546**.

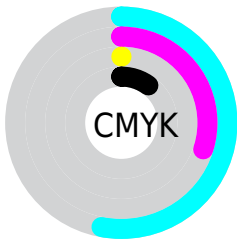
Distribution



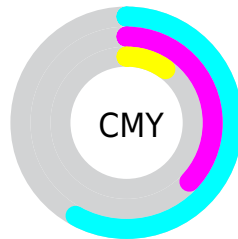
- Red (42%)
- Green (63%)
- Blue (90%)



- Red (42%)
- Yellow (57%)
- Blue (90%)



- Cyan (53%)
- Magenta (30%)
- Yellow (0%)
- Black (10%)



- Cyan (58%)
- Magenta (37%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3911, 0.2254, 0.2334 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 34.3911, 0.2254, 0.2334 by changing the saturation by 10% instead.

■ 34.3911, 0.2254,
0.2334

■ 34.3911, 0.2254,
0.2334

■ 321.8725, 0.2695,
0.2814

■ 23.1942, 0.2146,
0.2217

■ 66.5414, 0.2414,
0.2507

■ 14.7370, 0.2009,
0.2069

■ 88.2636, 0.2474,
0.2573

■ 8.6350, 0.1831,
0.1879

■ 114.2630, 0.2525,
0.2628

■ 4.5039, 0.1595,
0.1626

■ 144.9241, 0.2569,
0.2676

■ 1.9592, 0.1274,
0.1286

■ 180.6312, 0.2606,
0.2717

■ 0.5836, 0.0816,
0.0793

■ 221.7687, 0.2640,

■ 0.0000, 0.0000,

0.2753

0.0000

268.7210, 0.2669,
0.2785

■ 34.3911, 0.2254,
0.2334

■ 34.3911, 0.2254,
0.2334

■ 28.8225, 0.2099,
0.2114

■ 40.8155, 0.2420,
0.2546

■ 24.0610, 0.1960,
0.1892

■ 48.1331, 0.2589,
0.2746

■ 20.0575, 0.1844,
0.1676

■ 56.3832, 0.2759,
0.2930

■ 16.7533, 0.1755,
0.1473


■ 65.6011, 0.2923,
0.3098

■ 14.8090, 0.1706,
0.1342

■ 75.8204, 0.3081,
0.3248

 87.0727, 0.3230,
0.3381

 96.6332, 0.3277,
0.3505

 98.4928, 0.3274,
0.3532

Harmonies

Analogous

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



34.3911, 0.2041, 0.2526



34.3911, 0.2254, 0.2334



34.3911, 0.2696, 0.2369

Triad

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



34.3911, 0.2254, 0.2334



34.3911, 0.4306, 0.3435



34.3911, 0.2867, 0.4165

Complementary

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



34.3911, 0.2254, 0.2334



49.3526, 0.4205, 0.4064

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.



34.3911, 0.3472, 0.4425



34.3911, 0.2254, 0.2334



34.3911, 0.4332, 0.3907

Square

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



34.3911, 0.2254, 0.2334



34.3911, 0.3915, 0.2974



34.3911, 0.4013, 0.4290



34.3911, 0.2362, 0.3581

Rectangle

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



34.3911, 0.2254, 0.2334



34.3911, 0.3090, 0.2502



34.3911, 0.4013, 0.4290



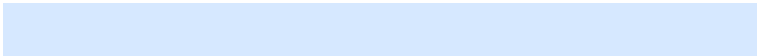
34.3911, 0.3066, 0.4297

Sweetspot

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



34.3923, 0.2254, 0.2334



79.2161, 0.2874, 0.3048



62.8783, 0.2713, 0.4040



16.4343, 0.2840, 0.3014



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.



34.3923, 0.2254, 0.2334



35.5700, 0.2079, 0.2084



20.0267, 0.2146, 0.1616



14.9119, 0.2981, 0.3153



8.6178, 0.1714, 0.1371



0.8187, 0.1793, 0.1654

Inverse Universe

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



30.1239, 0.3976, 0.2696



31.5130, 0.4267, 0.2604



73.5034, 0.3849, 0.4584



14.4715, 0.3225, 0.3188



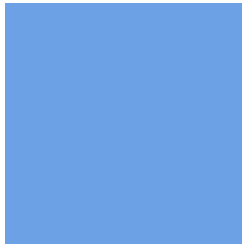
10.0677, 0.5230, 0.2655



0.7623, 0.4863, 0.2453

Previews

White Background



This preview shows how the Yxy color 34.3911, 0.2254, 0.2334 looks on a white background.

Color Contrast Check

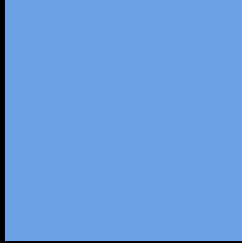
Large Text (above 18pt) WCAG AA × Fail

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 34.3911, 0.2254, 0.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

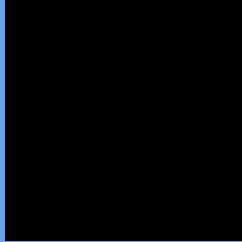
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

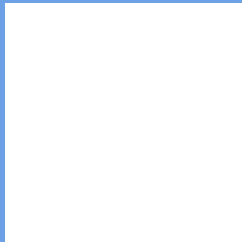
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3911, 0.2254, 0.2334

Background



This preview shows how black text looks on a background with the Yxy color 34.3911, 0.2254, 0.2334.

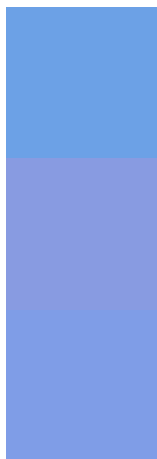


This preview shows how white text looks on a background with the Yxy color 34.3911, 0.2254, 0.2334.

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

34.3911, 0.2254, 0.2334

Protanopia

34.1132, 0.2437, 0.2344

Deuteranopia

34.3955, 0.2349, 0.2293



Tritanopia

34.4855, 0.2439, 0.3066

Trichromacy



Original Color

34.3911, 0.2254, 0.2334

Protanomaly

34.0956, 0.2364, 0.2334

Deuteranomaly

34.2163, 0.2308, 0.2296

Tritanomaly

34.4511, 0.2367, 0.2774

Monochromacy



Original Color

34.3911, 0.2254, 0.2334

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4315, 0.2743, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3911, 0.2254, 0.2334 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(108, 161, 230)` looks like.

```
.text, #text, p{  
    color:rgb(108, 161, 230)  
}
```

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(108, 161, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 161, 230) }
```

Border

The CSS property to change the border of an element to Yxy 34.3911, 0.2254, 0.2334 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(108, 161, 230) }
```

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

```
.border{ border-color:rgb(108, 161, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 161, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 161, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 161, 230);  
box-shadow:4px 4px 4px 4px rgb(108, 161,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3911, 0.2254, 0.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 161, 230) }
```

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

```
.background{ background-color: rgb(108,  
161, 230) }
```

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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