

Converting Colors

$Y_{xy}(34.2965, 0.2175, 0.2413)$

Have a look what the booklet for
Yxy(34.2965, 0.2175, 0.2413)
contains.

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Color

Yxy(34.3325, 0.2175, 0.2414)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 55A5E2 |
| RGB | 85, 165, 226 |
| RGB Percent | 33%, 65%, 89% |
| CMY | 0.6665, 0.3530, 0.1137 |
| CMYK | 0.62, 0.27, 0.00, 0.11 |
| HSL | 206°, 71%, 61% |
| HSV | 206°, 62%, 89% |
| XYZ | 30.9334, 34.3325, 76.9566 |
| YIQ | 148.0340, -67.2610, 2.0110 |

Conversions

Conversions Part 2

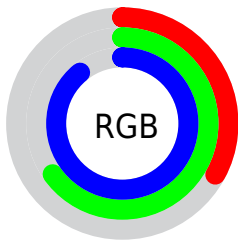
| Format | Color |
|-------------------------------------|--------------------------------|
| RYP | 85, 136, 226 |
| Decimal | 5613026 |
| CIELab | 65.23, -6.18, -38.11 |
| CIElCh | 65, 38.607, 260.784 |
| Yxy | 34.3325, 0.2175, 0.2414 |
| Android (android.graphics.Color) | 4283803106 (0xFF55A5E2) |
| YUV | 148.0340, 38.4372, -55.2808 |
| Hunter-Lab | 58.5939, -8.3042, -36.8550 |

Details

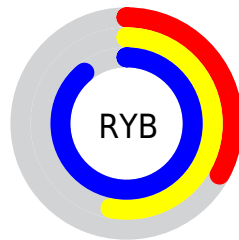
The Yxy color **34.3325, 0.2175, 0.2414** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **37.4081, 0.4594, 0.3969**, and the grayscale version is **29.4931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5174, 0.2476, 0.2878**, and **14.7125, 0.1934, 0.2162** is the 20% darker color. If you saturate the color by 10%, you get **30.0433, 0.2055, 0.2244**, and if you desaturate by 10%, it is **39.2319, 0.2312, 0.2580**.

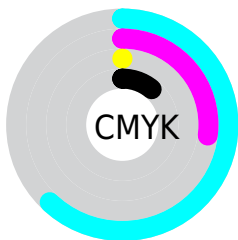
Distribution



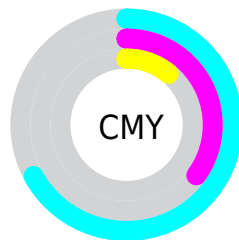
- Red (33%)
- Green (65%)
- Blue (89%)



- Red (33%)
- Yellow (53%)
- Blue (89%)



- Cyan (62%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (67%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3325, 0.2175, 0.2414 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 34.3325, 0.2175, 0.2414 by changing the saturation by 10% instead.

■ 34.3325, 0.2175,
0.2414

■ 34.3325, 0.2175,
0.2414

■ 321.6121, 0.2652,
0.2862

■ 23.1492, 0.2059,
0.2302

■ 66.4504, 0.2347,
0.2577

■ 14.7037, 0.1912,
0.2160

■ 88.1537, 0.2412,
0.2639

■ 8.6117, 0.1723,
0.1974

■ 114.1325, 0.2468,
0.2691

■ 4.4888, 0.1473,
0.1724

■ 144.7712, 0.2515,
0.2735

■ 1.9506, 0.1139,
0.1379

■ 180.4541, 0.2556,
0.2773

■ 0.5785, 0.0600,
0.0870

■ 221.5656, 0.2592,

■ 0.0000, 0.0000,

0.2807

0.0000

268.4901, 0.2624,
0.2836

■ 34.3325, 0.2175,
0.2414

■ 34.3325, 0.2175,
0.2414

■ 30.0433, 0.2055,
0.2244

■ 39.2319, 0.2312,
0.2580

■ 26.3213, 0.1954,
0.2075

■ 44.7727, 0.2461,
0.2739


■ 23.1211, 0.1877,
0.1910

■ 50.9878, 0.2617,
0.2888

■ 20.9757, 0.1830,
0.1788


■ 57.9062, 0.2776,
0.3026

■ 65.5549, 0.2935,
0.3152

 73.9594, 0.3091,
0.3265

 83.1437, 0.3241,
0.3366

 91.0112, 0.3311,
0.3460

 97.0327, 0.3300,
0.3553

Harmonies

Analogous

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



34.3325, 0.2062, 0.2694



34.3325, 0.2175, 0.2414



34.3325, 0.2520, 0.2362

Triad

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



34.3325, 0.2175, 0.2414



34.3325, 0.4148, 0.3252



34.3325, 0.3107, 0.4273

Complementary

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



34.3325, 0.2175, 0.2414



37.4081, 0.4594, 0.3969

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.



34.3325, 0.3685, 0.4370



34.3325, 0.2175, 0.2414



34.3325, 0.4320, 0.3713

Square

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



34.3325, 0.2175, 0.2414



34.3325, 0.3665, 0.2829



34.3325, 0.4137, 0.4129



34.3325, 0.2564, 0.3812

Rectangle

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



34.3325, 0.2175, 0.2414



34.3325, 0.2860, 0.2443



34.3325, 0.4137, 0.4129



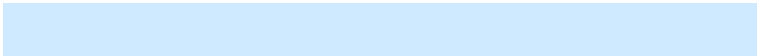
34.3325, 0.3304, 0.4350

Sweetspot

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



34.3337, 0.2175, 0.2414



79.2815, 0.2828, 0.3068



58.3407, 0.2767, 0.4489



16.3690, 0.2782, 0.3030



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.



34.3337, 0.2175, 0.2414



37.8869, 0.2021, 0.2191



15.9383, 0.1948, 0.1429



14.5269, 0.2981, 0.3186



12.2055, 0.1837, 0.1813



1.0230, 0.1906, 0.2062

Inverse Universe

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



25.3929, 0.3940, 0.2416



27.8853, 0.4201, 0.2319



65.0557, 0.4071, 0.4636



13.8301, 0.3204, 0.3158



10.1402, 0.4670, 0.2346



0.7207, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 34.3325, 0.2175, 0.2414 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 34.3325, 0.2175, 0.2414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

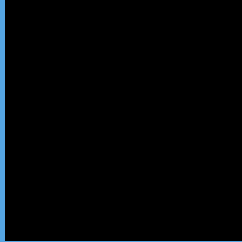
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

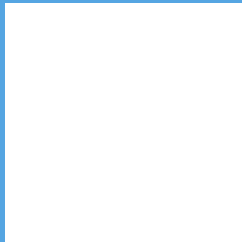
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3325, 0.2175, 0.2414

Background



This preview shows how black text looks on a background with the Yxy color 34.3325, 0.2175, 0.2414.

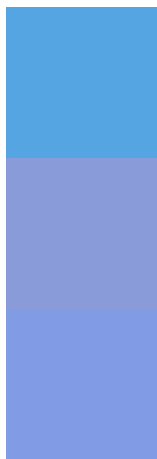


This preview shows how white text looks on a background with the Yxy color 34.3325, 0.2175, 0.2414.

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

34.3325, 0.2175, 0.2414

Protanopia

33.9079, 0.2493, 0.2425

Deuteranopia

34.0455, 0.2375, 0.2314



Tritanopia

34.2085, 0.2314, 0.3061

Trichromacy



Original Color

34.3325, 0.2175, 0.2414

Protanomaly

33.9387, 0.2358, 0.2421

Deuteranomaly

33.8530, 0.2291, 0.2345

Tritanomaly

34.0094, 0.2255, 0.2791

Monochromacy



Original Color

34.3325, 0.2175, 0.2414

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.6058, 0.2679, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3325, 0.2175, 0.2414 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(85, 165, 226)` looks like.

```
.text, #text, p{  
    color:rgb(85, 165, 226)  
}
```

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(85, 165, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 165, 226) }
```

Border

The CSS property to change the border of an element to Yxy 34.3325, 0.2175, 0.2414 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(85, 165, 226) }
```

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

```
.border{ border-color:rgb(85, 165, 226) }
```

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

Here you see how a box with a 4 pixel rgb(85, 165, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 165, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 165, 226);  
box-shadow:4px 4px 4px 4px rgb(85, 165,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3325, 0.2175, 0.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 165, 226) }
```

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

```
.background{ background-color: rgb(85, 165,  
226) }
```

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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