

Converting Colors

$Y_{xy}(35.8325, 0.2077, 0.2271)$

Have a look what the booklet for
Yxy(35.8325, 0.2077, 0.2271)
contains.

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Color

Yxy(35.8325, 0.2077, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	49A8F2
RGB	73, 168, 242
RGB Percent	29%, 66%, 95%
CMY	0.7139, 0.3411, 0.0510
CMYK	0.70, 0.31, 0.00, 0.05
HSL	206°, 87%, 62%
HSV	206°, 70%, 95%
XYZ	32.7715, 35.8325, 89.1789
YIQ	148.0310, -80.3740, 2.8740

Conversions

Conversions Part 2

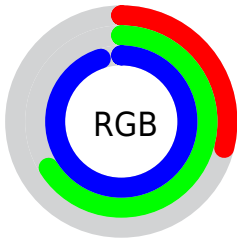
Format	Color
R _{YB}	73, 134, 242
Decimal	4827378
CIE Lab	66.39, -4.53, -45.07
CIE LCh	66, 45.297, 264.263
Yxy	35.8325, 0.2077, 0.2271
Android (android.graphics.Color)	4283017458 (0xFF49A8F2)
YUV	148.0310, 46.3267, -65.8022
Hunter-Lab	59.8603, -7.0326, -46.4272

Details

The Yxy color **35.8325, 0.2077, 0.2271** is a light color, and the websafe version is hex **6699CC**. The color can be described as light washed azure. A complement of this color would be **40.1967, 0.4826, 0.4022**, and the grayscale version is **29.4515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4843, 0.2449, 0.2912**, and **15.9936, 0.1894, 0.2020** is the 20% darker color. If you saturate the color by 10%, you get **31.3136, 0.1971, 0.2099**, and if you desaturate by 10%, it is **41.0396, 0.2203, 0.2443**.

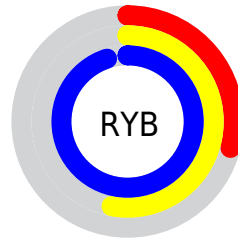
Distribution



Red (29%)

Green (66%)

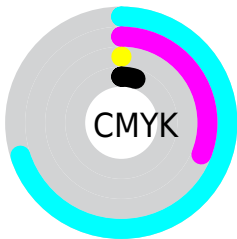
Blue (95%)



Red (29%)

Yellow (53%)

Blue (95%)

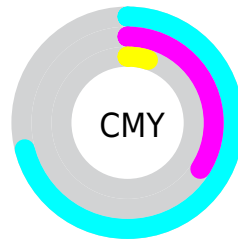


Cyan (70%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (71%)


Magenta (34%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8325, 0.2077, 0.2271 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 35.8325, 0.2077, 0.2271 by changing the saturation by 10% instead.


 35.8325, 0.2077,
0.2271


 35.8325, 0.2077,
0.2271


328.2278, 0.2595,
0.2781

 24.3049, 0.1954,
0.2148


 68.7735, 0.2261,
0.2454

 15.5599, 0.1801,
0.1994


 90.9556, 0.2332,
0.2523

 9.2133, 0.1608,
0.1798


 117.4579, 0.2392,
0.2582

 4.8806, 0.1360,
0.1543

 148.6650, 0.2444,
0.2633

 2.1774, 0.1039,
0.1207

184.9611, 0.2489,
0.2677

 0.7076, 0.0608,
0.0766

226.7307, 0.2529,

 0.0000, 0.0000,

0.2716

0.0000

274.3581, 0.2564,
0.2750

■ 35.8325, 0.2077,
0.2271

■ 35.8325, 0.2077,
0.2271

■ 31.3136, 0.1971,
0.2099

■ 41.0396, 0.2203,
0.2443

■ 27.4263, 0.1887,
0.1930

■ 46.9767, 0.2344,
0.2610

■ 24.0890, 0.1825,
0.1768

■ 53.6854, 0.2496,
0.2769

■ 24.0431, 0.1824,
0.1765

■ 61.2025, 0.2655,
0.2918

■ 69.5619, 0.2815,
0.3055

■ 78.7952, 0.2974,
0.3180

■ 88.9323, 0.3129,
0.3292

■ 97.7476, 0.3204,
0.3393

■ 99.1897, 0.3203,
0.3415

Harmonies

Analogous

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



35.8325, 0.1919, 0.2547



35.8325, 0.2077, 0.2271



35.8325, 0.2490, 0.2248

Triad

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



35.8325, 0.2077, 0.2271



35.8325, 0.4354, 0.3293



35.8325, 0.3015, 0.4402

Complementary

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



35.8325, 0.2077, 0.2271



40.1967, 0.4826, 0.4022

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.



35.8325, 0.3681, 0.4551



35.8325, 0.2077, 0.2271



35.8325, 0.4496, 0.3813

Square

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



35.8325, 0.2077, 0.2271



35.8325, 0.3825, 0.2812



35.8325, 0.4230, 0.4285



35.8325, 0.2414, 0.3816

Rectangle

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



35.8325, 0.2077, 0.2271



35.8325, 0.2891, 0.2355



35.8325, 0.4230, 0.4285



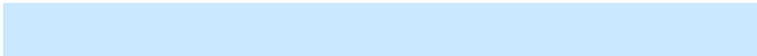
35.8325, 0.3238, 0.4507

Sweetspot

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



35.8337, 0.2077, 0.2271



77.1692, 0.2796, 0.3039



66.9896, 0.2741, 0.4626



15.9455, 0.2751, 0.3002



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.



35.8337, 0.2077, 0.2271



33.2695, 0.1931, 0.2024



14.1986, 0.1804, 0.1166



16.7037, 0.2980, 0.3184



13.1953, 0.1831, 0.1792



1.2955, 0.1891, 0.2007

Inverse Universe

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



26.4600, 0.4103, 0.2357



25.4146, 0.4404, 0.2309



76.3460, 0.4139, 0.4766



15.9078, 0.3205, 0.3158



11.1254, 0.4695, 0.2360



0.9455, 0.4445, 0.2223

Previews

White Background



This preview shows how the Yxy color 35.8325, 0.2077, 0.2271 looks on a white background.

Color Contrast Check

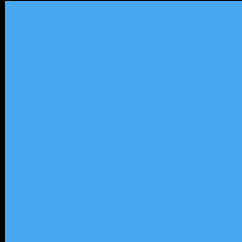
Large Text (above 18pt) WCAG AA × Fail

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 35.8325, 0.2077, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

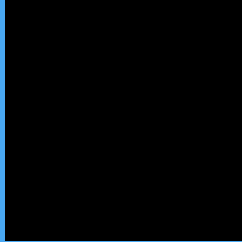
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

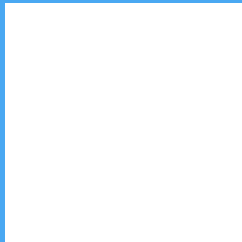
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8325, 0.2077, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 35.8325, 0.2077, 0.2271.

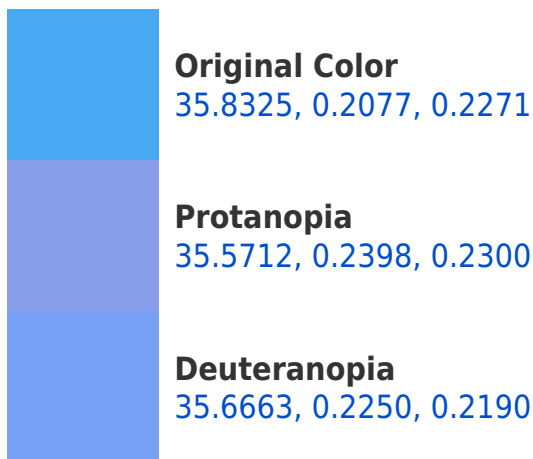


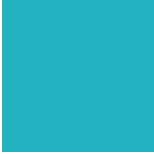
This preview shows how white text looks on a background with the Yxy color 35.8325, 0.2077, 0.2271.

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

35.9866, 0.2220, 0.3062

Trichromacy



Original Color

35.8325, 0.2077, 0.2271

Protanomaly

35.4075, 0.2255, 0.2290

Deuteranomaly

35.5490, 0.2176, 0.2219

Tritanomaly

35.5536, 0.2155, 0.2737

Monochromacy



Original Color

35.8325, 0.2077, 0.2271

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8850, 0.2605, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8325, 0.2077, 0.2271 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(73, 168, 242)` looks like.

```
.text, #text, p{  
    color:rgb(73, 168, 242)  
}
```

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(73, 168, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 168, 242) }
```

Border

The CSS property to change the border of an element to Yxy 35.8325, 0.2077, 0.2271 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(73, 168, 242) }
```

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

```
.border{ border-color:rgb(73, 168, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 168, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 168, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 168, 242);  
box-shadow:4px 4px 4px 4px rgb(73, 168,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8325, 0.2077, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 168, 242) }
```

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

```
.background{ background-color: rgb(73, 168,  
242) }
```

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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