

Converting Colors

$Y_{xy}(35.8041, 0.2286, 0.2658)$

Have a look what the booklet for
Yxy(35.8041, 0.2286, 0.2658)
contains.

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Color

Yxy(35.8289, 0.2284, 0.2657)

Conversions

Conversions Part 1

Format	Color
Hex	5CAAD5
RGB	92, 170, 213
RGB Percent	36%, 67%, 84%
CMY	0.6390, 0.3333, 0.1648
CMYK	0.57, 0.20, 0.00, 0.16
HSL	201°, 59%, 60%
HSV	201°, 57%, 84%
XYZ	30.7991, 35.8289, 68.2192
YIQ	151.5800, -60.2910, -3.1630

Conversions

Conversions Part 2

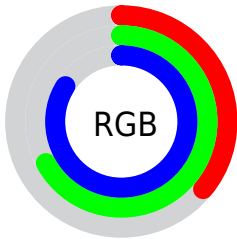
Format	Color
R_{YB}	92, 139, 213
Decimal	6073045
CIE _{Lab}	66.39, -11.70, -29.09
CIE _{LCh}	66, 31.351, 248.095
Yxy	35.8289, 0.2284, 0.2657
Android (android.graphics.Color)	4284263125 (0xFF5CAAD5)
YUV	151.5800, 30.2801, -52.2517
Hunter-Lab	59.8572, -12.9043, -25.6726

Details

The Yxy color **35.8289, 0.2284, 0.2657** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **32.2501, 0.4493, 0.3810**, and the grayscale version is **31.1022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5545, 0.2505, 0.2941**, and **15.5742, 0.2048, 0.2465** is the 20% darker color. If you saturate the color by 10%, you get **32.1261, 0.2165, 0.2522**, and if you desaturate by 10%, it is **40.0060, 0.2417, 0.2787**.

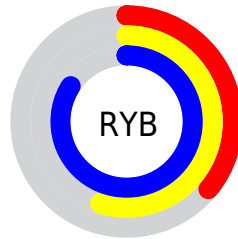
Distribution



Red (36%)

Green (67%)

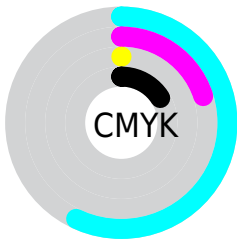
Blue (84%)



Red (36%)

Yellow (55%)

Blue (84%)

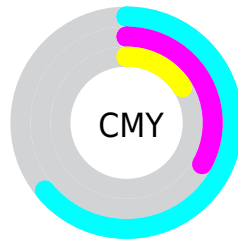


Cyan (57%)

Magenta (20%)

Yellow (0%)

Black (16%)



Cyan (64%)

Magenta (33%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8289, 0.2284, 0.2657 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 35.8289, 0.2284, 0.2657 by changing the saturation by 10% instead.

■ 35.8289, 0.2284,
0.2657

■ 35.8289, 0.2284,
0.2657

■ 328.2121, 0.2708,
0.2988

■ 24.3021, 0.2179,
0.2571

■ 68.7679, 0.2437,
0.2780

■ 15.5579, 0.2047,
0.2460

■ 90.9489, 0.2495,
0.2825

■ 9.2118, 0.1873,
0.2312

■ 117.4500, 0.2544,
0.2863

■ 4.8796, 0.1639,
0.2103

■ 148.6557, 0.2586,
0.2896

■ 2.1768, 0.1314,
0.1798

■ 184.9504, 0.2623,
0.2923

■ 0.7073, 0.0728,
0.1331

■ 226.7184, 0.2655,

■ 0.0000, 0.0000,

0.2948

0.0000

274.3442, 0.2683,
0.2969

■ 35.8289, 0.2284,
0.2657

■ 35.8289, 0.2284,
0.2657

■ 32.1261, 0.2165,
0.2522

■ 40.0060, 0.2417,
0.2787

■ 28.8643, 0.2065,
0.2385

■ 44.6795, 0.2562,
0.2911

■ 26.0111, 0.1985,
0.2248

■ 49.8746, 0.2713,
0.3027

■ 23.5233, 0.1926,
0.2114

■ 55.6133, 0.2868,
0.3133

■ 22.7745, 0.1909,
0.2071

■ 61.9161, 0.3023,
0.3230

68.8023, 0.3176,
0.3317

76.2901, 0.3325,
0.3395

82.9596, 0.3414,
0.3467

87.2770, 0.3402,
0.3541

Harmonies

Analogous

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



35.8289, 0.2277, 0.2974



35.8289, 0.2284, 0.2657



35.8289, 0.2493, 0.2528

Triad

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



35.8289, 0.2284, 0.2657



35.8289, 0.3804, 0.3113



35.8289, 0.3323, 0.4136

Complementary

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



35.8289, 0.2284, 0.2657



32.2501, 0.4493, 0.3810

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.



35.8289, 0.3759, 0.4107



35.8289, 0.2284, 0.2657



35.8289, 0.4059, 0.3491

Square

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



35.8289, 0.2284, 0.2657



35.8289, 0.3358, 0.2790



35.8289, 0.4037, 0.3853



35.8289, 0.2854, 0.3881

Rectangle

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



35.8289, 0.2284, 0.2657



35.8289, 0.2732, 0.2544



35.8289, 0.4037, 0.3853



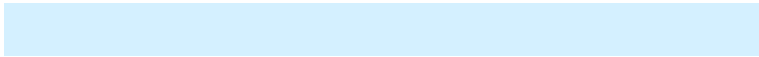
35.8289, 0.3479, 0.4157

Sweetspot

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



35.8302, 0.2284, 0.2657



83.2469, 0.2862, 0.3129



51.5812, 0.2828, 0.4483



17.4305, 0.2830, 0.3108



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.



35.8302, 0.2284, 0.2657



47.3038, 0.2145, 0.2496



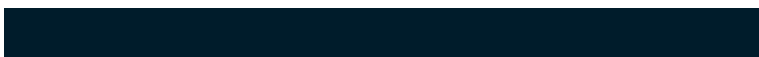
18.2753, 0.2086, 0.1731



13.3307, 0.2982, 0.3205



14.1157, 0.1914, 0.2090



1.0049, 0.1978, 0.2321

Inverse Universe

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



24.7082, 0.3704, 0.2376



31.1016, 0.3882, 0.2240



53.8685, 0.4047, 0.4464



12.5543, 0.3192, 0.3141



9.7698, 0.4352, 0.2171



0.6048, 0.4104, 0.2035

Previews

White Background



This preview shows how the Yxy color 35.8289, 0.2284, 0.2657 looks on a white background.

Color Contrast Check

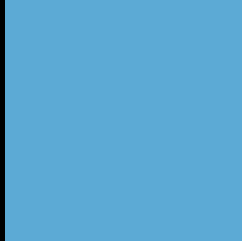
Large Text (above 18pt) WCAG AA × Fail

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 35.8289, 0.2284, 0.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

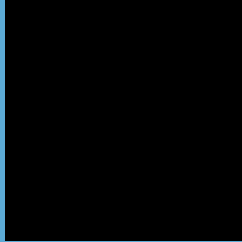
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

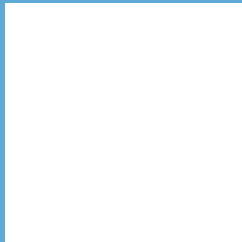
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8289, 0.2284, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 35.8289, 0.2284, 0.2657.

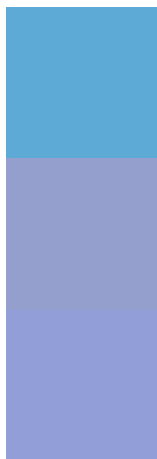


This preview shows how white text looks on a background with the Yxy color 35.8289, 0.2284, 0.2657.

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

35.8289, 0.2284, 0.2657

Protanopia

35.5936, 0.2670, 0.2653

Deuteranopia

35.4313, 0.2563, 0.2502



Tritanopia

35.6968, 0.2379, 0.3067

Trichromacy



Original Color

35.8289, 0.2284, 0.2657

Protanomaly

35.3376, 0.2501, 0.2648

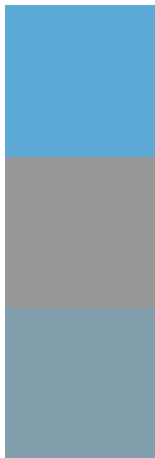
Deuteranomaly

35.1826, 0.2444, 0.2544

Tritanomaly

35.8968, 0.2347, 0.2919

Monochromacy



Original Color

35.8289, 0.2284, 0.2657

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.5981, 0.2742, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8289, 0.2284, 0.2657 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(92, 170, 213)` looks like.

```
.text, #text, p{  
    color:rgb(92, 170, 213)  
}
```

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(92, 170, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 170, 213) }
```

Border

The CSS property to change the border of an element to Yxy 35.8289, 0.2284, 0.2657 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(92, 170, 213) }
```

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

```
.border{ border-color:rgb(92, 170, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 170, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 170, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 170, 213);  
box-shadow:4px 4px 4px 4px rgb(92, 170,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8289, 0.2284, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 170, 213) }
```

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

```
.background{ background-color: rgb(92, 170,  
213) }
```

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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