

Converting Colors

$Y_{xy}(36.8066, 0.2293, 0.2652)$

Have a look what the booklet for
Yxy(36.8066, 0.2293, 0.2652)
contains.

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Color

Yxy(36.8958, 0.2290, 0.2651)

Conversions

Conversions Part 1

Format	Color
Hex	5FACD8
RGB	95, 172, 216
RGB Percent	37%, 67%, 85%
CMY	0.6272, 0.3255, 0.1529
CMYK	0.56, 0.20, 0.00, 0.15
HSL	202°, 61%, 61%
HSV	202°, 56%, 85%
XYZ	31.8715, 36.8958, 70.4096
YIQ	153.9930, -60.0160, -2.6400

Conversions

Conversions Part 2

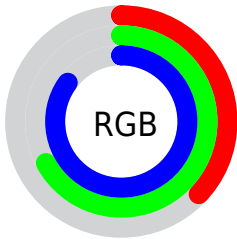
Format	Color
RYB	95, 142, 216
Decimal	6270168
CIELab	67.20, -11.25, -29.50
CIELCh	67, 31.575, 249.134
Yxy	36.8958, 0.2290, 0.2651
Android (android.graphics.Color)	4284460248 (0xFF5FACD8)
YUV	153.9930, 30.5695, -51.7369
Hunter-Lab	60.7419, -12.6387, -26.2073

Details

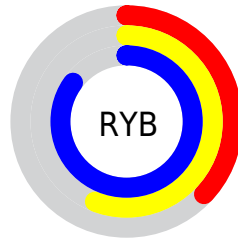
The Yxy color **36.8958, 0.2290, 0.2651** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.9146, 0.4461, 0.3817**, and the grayscale version is **32.2021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9305, 0.2524, 0.2966**, and **16.2258, 0.2059, 0.2461** is the 20% darker color. If you saturate the color by 10%, you get **32.9914, 0.2169, 0.2513**, and if you desaturate by 10%, it is **41.3007, 0.2426, 0.2785**.

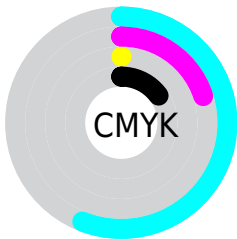
Distribution



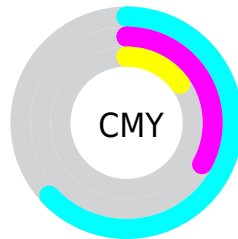
- Red (37%)
- Green (67%)
- Blue (85%)



- Red (37%)
- Yellow (56%)
- Blue (85%)



- Cyan (56%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)




- Cyan (63%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8958, 0.2290, 0.2651 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 36.8958, 0.2290, 0.2651 by changing the saturation by 10% instead.


 36.8958, 0.2290,
0.2651


 36.8958, 0.2290,
0.2651


332.8592, 0.2709,
0.2983


 25.1268, 0.2187,
0.2566


 70.4125, 0.2441,
0.2774

 16.1716, 0.2057,
0.2456


 92.9290, 0.2498,
0.2819

 9.6456, 0.1887,
0.2309


 119.7968, 0.2547,
0.2857

 5.1646, 0.1659,
0.2105

 151.4003, 0.2588,
0.2890

 2.3442, 0.1344,
0.1807

188.1239, 0.2625,
0.2918

 0.7969, 0.0826,
0.1362

230.3520, 0.2656,

 0.0000, 0.0000,

0.2942

0.0000

278.4689, 0.2684,
0.2964

■ 36.8958, 0.2290,
0.2651

■ 36.8958, 0.2290,
0.2651

■ 32.9914, 0.2169,
0.2513

■ 41.3007, 0.2426,
0.2785

■ 29.5530, 0.2066,
0.2372

■ 46.2289, 0.2572,
0.2911

■ 26.5473, 0.1983,
0.2231

■ 51.7067, 0.2724,
0.3029

■ 23.9316, 0.1921,
0.2093

■ 57.7567, 0.2880,
0.3137

■ 22.9627, 0.1900,
0.2039

■ 64.4004, 0.3035,
0.3236

71.6577, 0.3188,
0.3324

79.5478, 0.3336,
0.3403

85.5653, 0.3387,
0.3479

90.1634, 0.3375,
0.3555

Harmonies

Analogous

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



36.8958, 0.2276, 0.2961



36.8958, 0.2290, 0.2651



36.8958, 0.2505, 0.2528

Triad

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



36.8958, 0.2290, 0.2651



36.8958, 0.3815, 0.3126



36.8958, 0.3306, 0.4130

Complementary

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



36.8958, 0.2290, 0.2651



33.9146, 0.4461, 0.3817

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.



36.8958, 0.3745, 0.4110



36.8958, 0.2290, 0.2651



36.8958, 0.4060, 0.3504

Square

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



36.8958, 0.2290, 0.2651



36.8958, 0.3375, 0.2801



36.8958, 0.4028, 0.3863



36.8958, 0.2840, 0.3866

Rectangle

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



36.8958, 0.2290, 0.2651



36.8958, 0.2748, 0.2549



36.8958, 0.4028, 0.3863



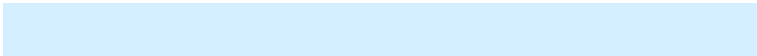
36.8958, 0.3462, 0.4154

Sweetspot

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



36.8971, 0.2290, 0.2651



83.0296, 0.2862, 0.3125



53.3678, 0.2830, 0.4465



17.3790, 0.2830, 0.3104



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.



36.8971, 0.2290, 0.2651



47.1746, 0.2151, 0.2490



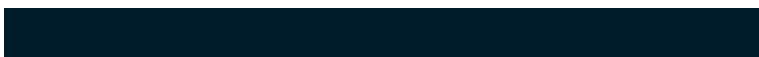
19.2511, 0.2100, 0.1754



13.3125, 0.2982, 0.3203



13.8028, 0.1906, 0.2060



0.9875, 0.1971, 0.2296

Inverse Universe

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



25.7743, 0.3707, 0.2397



31.4664, 0.3885, 0.2263



55.7528, 0.4036, 0.4452



12.5524, 0.3193, 0.3143



9.7382, 0.4386, 0.2190



0.6030, 0.4130, 0.2049

Previews

White Background



This preview shows how the Yxy color 36.8958, 0.2290, 0.2651 looks on a white background.

Color Contrast Check

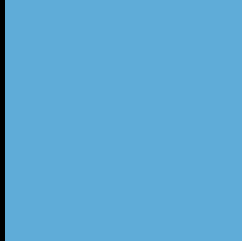
Large Text (above 18pt) WCAG AA × Fail

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 36.8958, 0.2290, 0.2651 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

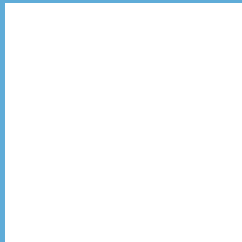
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8958, 0.2290, 0.2651

Background



This preview shows how black text looks on a background with the Yxy color 36.8958, 0.2290, 0.2651.



This preview shows how white text looks on a background with the Yxy color 36.8958, 0.2290, 0.2651.

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

36.8958, 0.2290, 0.2651

Protanopia

36.6231, 0.2667, 0.2648

Deuteranopia

36.4591, 0.2562, 0.2498



Tritanopia

36.7436, 0.2384, 0.3055

Trichromacy



Original Color

36.8958, 0.2290, 0.2651

Protanomaly

36.4387, 0.2508, 0.2643

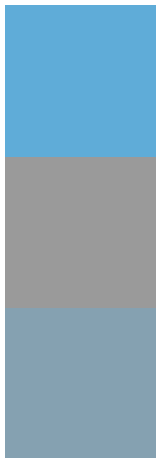
Deuteranomaly

36.2021, 0.2444, 0.2540

Tritanomaly

36.9539, 0.2352, 0.2909

Monochromacy



Original Color

36.8958, 0.2290, 0.2651

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6506, 0.2747, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8958, 0.2290, 0.2651 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(95, 172, 216)` looks like.

```
.text, #text, p{  
    color:rgb(95, 172, 216)  
}
```

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(95, 172, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 172, 216) }
```

Border

The CSS property to change the border of an element to Yxy 36.8958, 0.2290, 0.2651 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(95, 172, 216) }
```

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

```
.border{ border-color:rgb(95, 172, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 172, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 172, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 172, 216);  
box-shadow:4px 4px 4px 4px rgb(95, 172,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8958, 0.2290, 0.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 172, 216) }
```

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

```
.background{ background-color: rgb(95, 172,  
216) }
```

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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