

Converting Colors

$Yxy(35.2656, 0.2192, 0.2436)$

Have a look what the booklet for
Yxy(35.2656, 0.2192, 0.2436)
contains.

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Color

Yxy(35.2582, 0.2190, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	58A7E3
RGB	88, 167, 227
RGB Percent	35%, 65%, 89%
CMY	0.6549, 0.3451, 0.1097
CMYK	0.61, 0.26, 0.00, 0.11
HSL	206°, 71%, 62%
HSV	206°, 61%, 89%
XYZ	31.7107, 35.2582, 77.8287
YIQ	150.2190, -66.3440, 1.9120

Conversions

Conversions Part 2

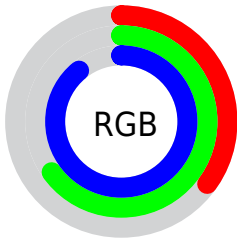
Format	Color
R _Y B	88, 138, 227
Decimal	5810147
CIE Lab	65.95, -6.45, -37.53
CIE LCh	66, 38.081, 260.255
Yxy	35.2582, 0.2190, 0.2435
Android (android.graphics.Color)	4284000227 (0xFF58A7E3)
YUV	150.2190, 37.8530, -54.5661
Hunter-Lab	59.3786, -8.5861, -36.1475

Details

The Yxy color **35.2582, 0.2190, 0.2435** 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 **38.2279, 0.4561, 0.3959**, and the grayscale version is **30.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7585, 0.2490, 0.2904**, and **15.2017, 0.1942, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **30.8623, 0.2068, 0.2266**, and if you desaturate by 10%, it is **40.2737, 0.2328, 0.2600**.

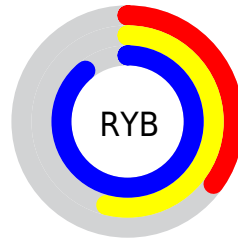
Distribution



Red (35%)

Green (65%)

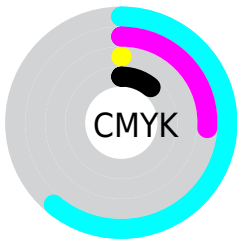
Blue (89%)



Red (35%)

Yellow (54%)

Blue (89%)

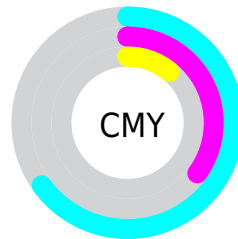


Cyan (61%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (65%)


Magenta (35%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2582, 0.2190, 0.2435 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 35.2582, 0.2190, 0.2435 by changing the saturation by 10% instead.


 35.2582, 0.2190,
0.2435


 35.2582, 0.2190,
0.2435


325.7065, 0.2658,
0.2871


 23.8618, 0.2076,
0.2326


 67.8856, 0.2359,
0.2594


 15.2312, 0.1933,
0.2188


 89.8854, 0.2422,
0.2654

 8.9818, 0.1748,
0.2007


 116.1884, 0.2477,
0.2704

 4.7293, 0.1504,
0.1764

 147.1791, 0.2523,
0.2747

 2.0893, 0.1176,
0.1429

183.2419, 0.2564,
0.2785

 0.6586, 0.0674,
0.0947

224.7612, 0.2599,

 0.0000, 0.0000,

0.2817

0.0000

272.1212, 0.2631,
0.2846

■ 35.2582, 0.2190,
0.2435

■ 35.2582, 0.2190,
0.2435

■ 30.8623, 0.2068,
0.2266

■ 40.2737, 0.2328,
0.2600

■ 27.0430, 0.1965,
0.2097

■ 45.9399, 0.2478,
0.2757

■ 23.7555, 0.1885,
0.1931

■ 52.2895, 0.2635,
0.2905

■ 21.2502, 0.1831,
0.1791

■ 59.3516, 0.2794,
0.3041

■ 67.1534, 0.2953,
0.3165

■ 75.7204, 0.3108,
0.3277

■ 85.0765, 0.3258,
0.3377

■ 92.3660, 0.3302,
0.3471

■ 98.3277, 0.3291,
0.3562

Harmonies

Analogous

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



35.2582, 0.2083, 0.2715



35.2582, 0.2190, 0.2435



35.2582, 0.2525, 0.2380

Triad

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



35.2582, 0.2190, 0.2435



35.2582, 0.4119, 0.3246



35.2582, 0.3119, 0.4254

Complementary

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



35.2582, 0.2190, 0.2435



38.2279, 0.4561, 0.3959

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.



35.2582, 0.3683, 0.4344



35.2582, 0.2190, 0.2435



35.2582, 0.4294, 0.3699

Square

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



35.2582, 0.2190, 0.2435



35.2582, 0.3644, 0.2832



35.2582, 0.4122, 0.4107



35.2582, 0.2585, 0.3809

Rectangle

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



35.2582, 0.2190, 0.2435



35.2582, 0.2857, 0.2456



35.2582, 0.4122, 0.4107



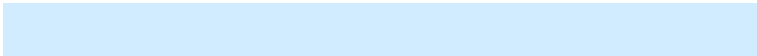
35.2582, 0.3312, 0.4327

Sweetspot

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



35.2594, 0.2190, 0.2435



80.3109, 0.2844, 0.3081



59.1023, 0.2770, 0.4463



16.5738, 0.2798, 0.3044



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.



35.2594, 0.2190, 0.2435



38.9948, 0.2043, 0.2228



16.6561, 0.1969, 0.1464



15.2397, 0.2981, 0.3186



12.6256, 0.1838, 0.1815



1.1168, 0.1903, 0.2051

Inverse Universe

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



26.1043, 0.3916, 0.2425



28.5783, 0.4157, 0.2327



65.8678, 0.4057, 0.4618



14.5045, 0.3204, 0.3157



10.4723, 0.4667, 0.2345



0.7924, 0.4396, 0.2195

Previews

White Background



This preview shows how the Yxy color 35.2582, 0.2190, 0.2435 looks on a white background.

Color Contrast Check

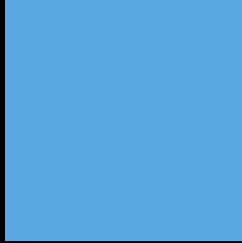
Large Text (above 18pt) WCAG AA × Fail

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 35.2582, 0.2190, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

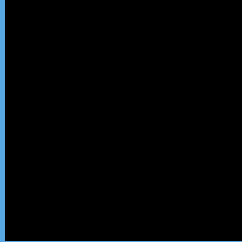
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

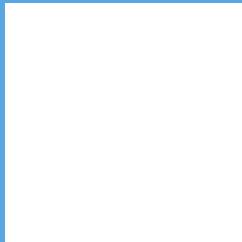
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2582, 0.2190, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 35.2582, 0.2190, 0.2435.

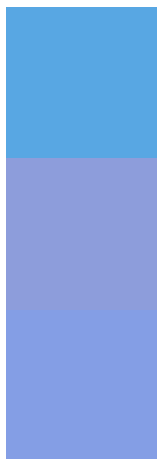


This preview shows how white text looks on a background with the Yxy color 35.2582, 0.2190, 0.2435.

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

35.2582, 0.2190, 0.2435

Protanopia

34.8911, 0.2513, 0.2447

Deuteranopia

35.0164, 0.2394, 0.2336



Tritanopia

35.2050, 0.2327, 0.3064

Trichromacy



Original Color

35.2582, 0.2190, 0.2435

Protanomaly

34.9012, 0.2376, 0.2442

Deuteranomaly

34.8042, 0.2308, 0.2366

Tritanomaly

34.9679, 0.2274, 0.2811

Monochromacy



Original Color

35.2582, 0.2190, 0.2435

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.5033, 0.2683, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2582, 0.2190, 0.2435 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(88, 167, 227)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 227)  
}
```

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(88, 167, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 227) }
```

Border

The CSS property to change the border of an element to Yxy 35.2582, 0.2190, 0.2435 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(88, 167, 227) }
```

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

```
.border{ border-color:rgb(88, 167, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 227);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2582, 0.2190, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 227) }
```

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

```
.background{ background-color: rgb(88, 167,  
227) }
```

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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