

Converting Colors

$Y_{xy}(35.9221, 0.2298, 0.2433)$

Have a look what the booklet for
Yxy(35.9221, 0.2298, 0.2433)
contains.

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Color

Yxy(35.8358, 0.2296, 0.2429)

Conversions

Conversions Part 1

Format	Color
Hex	6FA5E3
RGB	111, 165, 227
RGB Percent	44%, 65%, 89%
CMY	0.5649, 0.3529, 0.1097
CMYK	0.51, 0.27, 0.00, 0.11
HSL	212°, 67%, 66%
HSV	212°, 51%, 89%
XYZ	33.8736, 35.8358, 77.8237
YIQ	155.9220, -52.0860, 7.8340

Conversions

Conversions Part 2

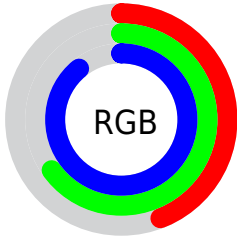
Format	Color
R _Y B	111, 148, 227
Decimal	7316963
CIE Lab	66.39, -0.65, -36.76
CIE LCh	66, 36.766, 268.984
Yxy	35.8358, 0.2296, 0.2429
Android (android.graphics.Color)	4285507043 (0xFF6FA5E3)
YUV	155.9220, 35.0415, -39.3966
Hunter-Lab	59.8630, -3.7557, -35.1747

Details

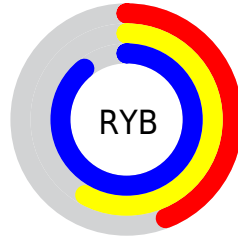
The Yxy color **35.8358, 0.2296, 0.2429** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.3576, 0.4180, 0.4000**, and the grayscale version is **33.0639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7312, 0.2590, 0.2891**, and **15.4543, 0.2065, 0.2182** is the 20% darker color. If you saturate the color by 10%, you get **30.3770, 0.2143, 0.2223**, and if you desaturate by 10%, it is **42.0864, 0.2459, 0.2627**.

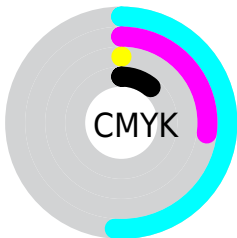
Distribution



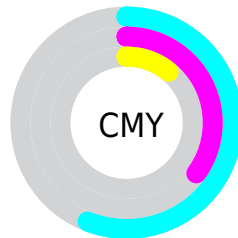
- Red (44%)
- Green (65%)
- Blue (89%)



- Red (44%)
- Yellow (58%)
- Blue (89%)



- Cyan (51%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8358, 0.2296, 0.2429 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 35.8358, 0.2296, 0.2429 by changing the saturation by 10% instead.

■ 35.8358, 0.2296,
0.2429

■ 35.8358, 0.2296,
0.2429

■ 328.2423, 0.2714,
0.2863

■ 24.3074, 0.2193,
0.2322

■ 68.7786, 0.2447,
0.2586

■ 15.5618, 0.2063,
0.2187

■ 90.9617, 0.2504,
0.2645

■ 9.2146, 0.1894,
0.2010

■ 117.4652, 0.2553,
0.2696

■ 4.8814, 0.1668,
0.1774

■ 148.6735, 0.2594,
0.2739

■ 2.1779, 0.1358,
0.1449

■ 184.9710, 0.2630,
0.2776

■ 0.7079, 0.0913,
0.0984

■ 226.7420, 0.2662,

■ 0.0000, 0.0000,

0.2809

0.0000

274.3710, 0.2689,
0.2837

■ 35.8358, 0.2296,
0.2429

■ 35.8358, 0.2296,
0.2429

■ 30.3770, 0.2143,
0.2223

■ 42.0864, 0.2459,
0.2627

■ 25.6657, 0.2005,
0.2012

■ 49.1617, 0.2626,
0.2812

■ 21.6579, 0.1888,
0.1805

■ 57.0974, 0.2792,
0.2982

■ 18.3014, 0.1796,
0.1607

■ 65.9255, 0.2954,
0.3137

■ 15.7996, 0.1734,
0.1442

■ 75.6761, 0.3110,
0.3275

 86.3778, 0.3258,
0.3398

 95.1278, 0.3297,
0.3514

 98.3276, 0.3291,
0.3562

Harmonies

Analogous

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



35.8358, 0.2126, 0.2637



35.8358, 0.2296, 0.2429



35.8358, 0.2679, 0.2434

Triad

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



35.8358, 0.2296, 0.2429



35.8358, 0.4163, 0.3377



35.8358, 0.2962, 0.4119

Complementary

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



35.8358, 0.2296, 0.2429



47.3576, 0.4180, 0.4000

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.



35.8358, 0.3513, 0.4313



35.8358, 0.2296, 0.2429



35.8358, 0.4233, 0.3811

Square

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



35.8358, 0.2296, 0.2429



35.8358, 0.3778, 0.2958



35.8358, 0.3984, 0.4168



35.8358, 0.2482, 0.3625

Rectangle

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



35.8358, 0.2296, 0.2429



35.8358, 0.3027, 0.2542



35.8358, 0.3984, 0.4168



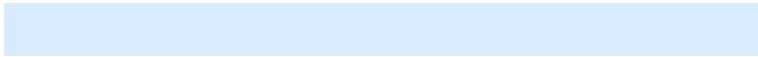
35.8358, 0.3145, 0.4224

Sweetspot

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



35.8371, 0.2296, 0.2429



81.1003, 0.2891, 0.3078



61.3410, 0.2734, 0.4035



16.8373, 0.2856, 0.3045



0.0000, 0.0000, 0.0000



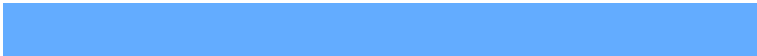
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8371, 0.2296, 0.2429



39.3614, 0.2139, 0.2217



20.5384, 0.2173, 0.1678



14.9881, 0.2981, 0.3161



9.4406, 0.1742, 0.1469



0.8821, 0.1818, 0.1745

Inverse Universe

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



30.4104, 0.3883, 0.2674



33.2435, 0.4122, 0.2577



71.8128, 0.3842, 0.4536



14.4791, 0.3220, 0.3181



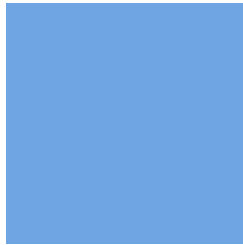
10.1508, 0.5099, 0.2583



0.7687, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 35.8358, 0.2296, 0.2429 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 35.8358, 0.2296, 0.2429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

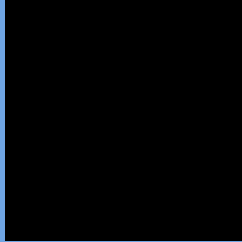
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

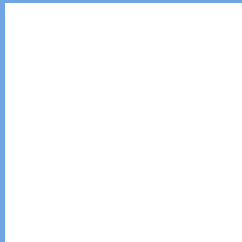
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8358, 0.2296, 0.2429

Background



This preview shows how black text looks on a background with the Yxy color 35.8358, 0.2296, 0.2429.

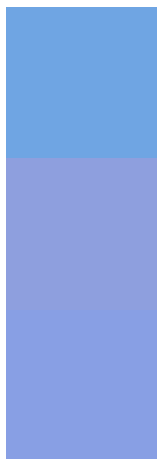


This preview shows how white text looks on a background with the Yxy color 35.8358, 0.2296, 0.2429.

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

35.8358, 0.2296, 0.2429

Protanopia

35.8210, 0.2505, 0.2443

Deuteranopia

35.6320, 0.2428, 0.2367



Tritanopia

36.0164, 0.2459, 0.3070

Trichromacy



Original Color

35.8358, 0.2296, 0.2429

Protanomaly

35.6969, 0.2422, 0.2432

Deuteranomaly

35.6032, 0.2375, 0.2381

Tritanomaly

35.8385, 0.2393, 0.2810

Monochromacy



Original Color

35.8358, 0.2296, 0.2429

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.7491, 0.2765, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8358, 0.2296, 0.2429 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(111, 165, 227)` looks like.

```
.text, #text, p{  
    color:rgb(111, 165, 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(111, 165, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 165, 227) }
```

Border

The CSS property to change the border of an element to Yxy 35.8358, 0.2296, 0.2429 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(111, 165, 227) }
```

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

```
.border{ border-color:rgb(111, 165, 227) }
```

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

Here you see how a box with a 4 pixel rgb(111, 165, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 165, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 165, 227);  
box-shadow:4px 4px 4px 4px rgb(111, 165,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8358, 0.2296, 0.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 165, 227) }
```

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

```
.background{ background-color: rgb(111,  
165, 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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