

Converting Colors

Yxy(35.8294, 0.2361, 0.2423)

Have a look what the booklet for
Yxy(35.8294, 0.2361, 0.2423)
contains.

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Color

Yxy(35.8229, 0.2360, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	7AA3E2
RGB	122, 163, 226
RGB Percent	48%, 64%, 89%
CMY	0.5212, 0.3609, 0.1137
CMYK	0.46, 0.28, 0.00, 0.11
HSL	216°, 64%, 68%
HSV	216°, 46%, 89%
XYZ	34.8627, 35.8229, 77.0377
YIQ	157.9230, -44.6590, 10.9010

Conversions

Conversions Part 2

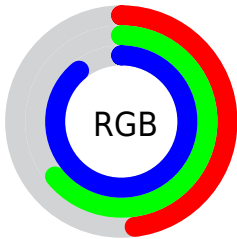
Format	Color
RYB	122, 151, 226
Decimal	8037346
CIELab	66.38, 2.81, -36.17
CIElCh	66, 36.282, 274.439
Yxy	35.8229, 0.2360, 0.2425
Android (android.graphics.Color)	4286227426 (0xFF7AA3E2)
YUV	157.9230, 33.5620, -31.5045
Hunter-Lab	59.8522, -0.7688, -34.4175

Details

The Yxy color **35.8229, 0.2360, 0.2425** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.3351, 0.4008, 0.4014**, and the grayscale version is **34.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9465, 0.2649, 0.2874**, and **15.6144, 0.2142, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **29.7530, 0.2192, 0.2194**, and if you desaturate by 10%, it is **42.8070, 0.2534, 0.2644**.

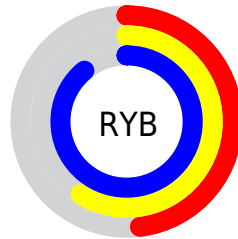
Distribution



Red (48%)

Green (64%)

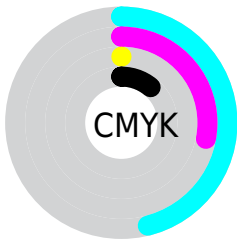
Blue (89%)



Red (48%)

Yellow (59%)

Blue (89%)

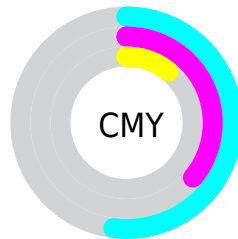


Cyan (46%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (52%)

Magenta (36%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8229, 0.2360, 0.2425 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 35.8229, 0.2360, 0.2425 by changing the saturation by 10% instead.

■ 35.8229, 0.2360,
0.2425

■ 35.8229, 0.2360,
0.2425

■ 328.1858, 0.2748,
0.2859

■ 24.2974, 0.2264,
0.2319

■ 68.7586, 0.2501,
0.2582

■ 15.5544, 0.2142,
0.2184

■ 90.9377, 0.2554,
0.2641

■ 9.2094, 0.1982,
0.2009

■ 117.4368, 0.2599,
0.2691

■ 4.8780, 0.1766,
0.1775

■ 148.6402, 0.2637,
0.2734

■ 2.1759, 0.1466,
0.1453

■ 184.9324, 0.2671,
0.2772

■ 0.7068, 0.1038,
0.0991

■ 226.6979, 0.2700,

■ 0.0000, 0.0000,

0.2804

0.0000

274.3209, 0.2725,
0.2833

■ 35.8229, 0.2360,
0.2425

■ 35.8229, 0.2360,
0.2425

■ 29.7530, 0.2192,
0.2194

■ 42.8070, 0.2534,
0.2644

■ 24.5496, 0.2035,
0.1957

■ 50.7418, 0.2707,
0.2848

■ 20.1660, 0.1897,
0.1723

■ 59.6662, 0.2875,
0.3033

■ 16.5480, 0.1784,
0.1499

■ 69.6157, 0.3036,
0.3199

■ 13.6319, 0.1701,
0.1296

■ 80.6239, 0.3187,
0.3347

■ 12.6209, 0.1673,
0.1221

■ 92.2043, 0.3309,
0.3479

■ 98.2717, 0.3297,
0.3572

Harmonies

Analogous

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



35.8229, 0.2152, 0.2592



35.8229, 0.2360, 0.2425



35.8229, 0.2773, 0.2465

Triad

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



35.8229, 0.2360, 0.2425



35.8229, 0.4187, 0.3456



35.8229, 0.2870, 0.4035

Complementary

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



35.8229, 0.2360, 0.2425



52.3351, 0.4008, 0.4014

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.



35.8229, 0.3411, 0.4291



35.8229, 0.2360, 0.2425



35.8229, 0.4196, 0.3879

Square

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



35.8229, 0.2360, 0.2425



35.8229, 0.3857, 0.3033



35.8229, 0.3901, 0.4204



35.8229, 0.2422, 0.3517

Rectangle

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



35.8229, 0.2360, 0.2425



35.8229, 0.3131, 0.2592



35.8229, 0.3901, 0.4204



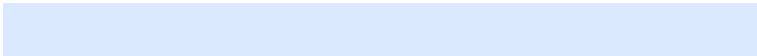
35.8229, 0.3047, 0.4158

Sweetspot

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



35.8242, 0.2360, 0.2425



80.7990, 0.2906, 0.3066



62.0250, 0.2726, 0.3847



16.7129, 0.2870, 0.3028



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.



35.8242, 0.2360, 0.2425



39.5673, 0.2202, 0.2208



24.3824, 0.2335, 0.1879



14.1234, 0.2981, 0.3144



7.4151, 0.1681, 0.1250



0.6849, 0.1766, 0.1557

Inverse Universe

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



32.7596, 0.3865, 0.2817



36.3638, 0.4102, 0.2732



70.3494, 0.3725, 0.4447



13.7894, 0.3231, 0.3198



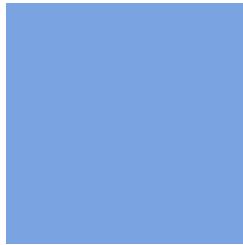
9.6566, 0.5397, 0.2747



0.6866, 0.4985, 0.2520

Previews

White Background



This preview shows how the Yxy color 35.8229, 0.2360, 0.2425 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 35.8229, 0.2360, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

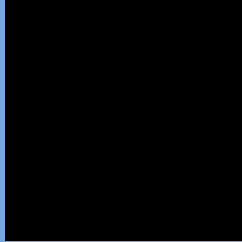
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

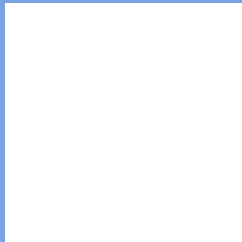
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8229, 0.2360, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 35.8229, 0.2360, 0.2425.



This preview shows how white text looks on a background with the Yxy color 35.8229, 0.2360, 0.2425.

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

35.8229, 0.2360, 0.2425

Protanopia

35.8748, 0.2499, 0.2432

Deuteranopia

35.6607, 0.2441, 0.2379



Tritanopia

35.9436, 0.2544, 0.3073

Trichromacy



Original Color

35.8229, 0.2360, 0.2425

Protanomaly

35.6743, 0.2447, 0.2424

Deuteranomaly

35.5932, 0.2410, 0.2386

Tritanomaly

35.7528, 0.2470, 0.2815

Monochromacy



Original Color

35.8229, 0.2360, 0.2425

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.5803, 0.2800, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8229, 0.2360, 0.2425 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(122, 163, 226)` looks like.

```
.text, #text, p{  
    color:rgb(122, 163, 226)  
}
```

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(122, 163, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 163, 226) }
```

Border

The CSS property to change the border of an element to Yxy 35.8229, 0.2360, 0.2425 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(122, 163, 226) }
```

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

```
.border{ border-color:rgb(122, 163, 226) }
```

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

Here you see how a box with a 4 pixel rgb(122, 163, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 163, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 163, 226);  
box-shadow:4px 4px 4px 4px rgb(122, 163,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8229, 0.2360, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 163, 226) }
```

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

```
.background{ background-color: rgb(122,  
163, 226) }
```

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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