

Converting Colors

$Y_{xy}(35.6414, 0.2132, 0.2360)$

Have a look what the booklet for
Yxy(35.6414, 0.2132, 0.2360)
contains.

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Color

Yxy(35.6513, 0.2132, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	50A8EA
RGB	80, 168, 234
RGB Percent	31%, 66%, 92%
CMY	0.6863, 0.3412, 0.0822
CMYK	0.66, 0.28, 0.00, 0.08
HSL	206°, 79%, 62%
HSV	206°, 66%, 92%
XYZ	32.1661, 35.6513, 83.0556
YIQ	149.2120, -73.6340, 1.8700

Conversions

Conversions Part 2

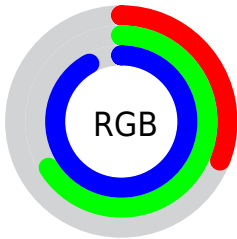
Format	Color
R _Y B	80, 136, 234
Decimal	5286122
CIE Lab	66.25, -6.10, -40.92
CIE LCh	66, 41.377, 261.521
Yxy	35.6513, 0.2132, 0.2363
Android (android.graphics.Color)	4283476202 (0xFF50A8EA)
YUV	149.2120, 41.8005, -60.6989
Hunter-Lab	59.7087, -8.3292, -40.6771

Details

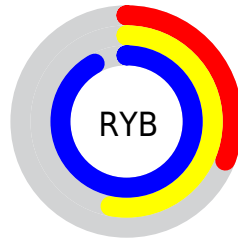
The Yxy color **35.6513, 0.2132, 0.2363** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.6497, 0.4711, 0.3986**, and the grayscale version is **29.9941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8350, 0.2468, 0.2913**, and **15.7051, 0.1920, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **31.2419, 0.2019, 0.2194**, and if you desaturate by 10%, it is **40.7037, 0.2263, 0.2529**.

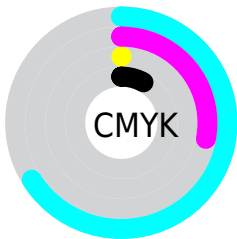
Distribution



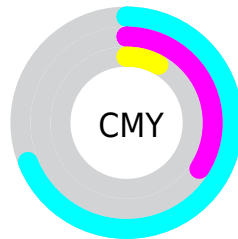
- Red (31%)
- Green (66%)
- Blue (92%)



- Red (31%)
- Yellow (53%)
- Blue (92%)



- Cyan (66%)
- Magenta (28%)
- Yellow (0%)
- Black (8%)



- Cyan (69%)
- Magenta (34%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6513, 0.2132, 0.2363 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 35.6513, 0.2132, 0.2363 by changing the saturation by 10% instead.

■ 35.6513, 0.2132,
0.2363

■ 35.6513, 0.2132,
0.2363

■ 327.4339, 0.2626,
0.2832

■ 24.1650, 0.2013,
0.2248

■ 68.4935, 0.2309,
0.2533

■ 15.4561, 0.1865,
0.2102

■ 90.6182, 0.2376,
0.2597

■ 9.1401, 0.1676,
0.1914

■ 117.0579, 0.2433,
0.2651

■ 4.8327, 0.1429,
0.1665

■ 148.1968, 0.2483,
0.2698

■ 2.1494, 0.1104,
0.1329

■ 184.4195, 0.2526,
0.2738

■ 0.6922, 0.0637,
0.0867

■ 226.1103, 0.2563,

■ 0.0000, 0.0000,

0.2773

0.0000

273.6537, 0.2596,
0.2804

■ 35.6513, 0.2132,
0.2363

■ 35.6513, 0.2132,
0.2363

■ 31.2419, 0.2019,
0.2194

■ 40.7037, 0.2263,
0.2529

■ 27.4267, 0.1927,
0.2027

■ 46.4347, 0.2408,
0.2689

■ 24.1526, 0.1858,
0.1866

■ 52.8809, 0.2562,
0.2841

■ 22.9089, 0.1833,
0.1799

■ 60.0747, 0.2721,
0.2982

■ 68.0461, 0.2880,
0.3111

■ 76.8231, 0.3038,
0.3228

■ 86.4323, 0.3190,
0.3332

■ 94.5039, 0.3256,
0.3429

■ 98.7227, 0.3250,
0.3493

Harmonies

Analogous

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



35.6513, 0.2007, 0.2648



35.6513, 0.2132, 0.2363



35.6513, 0.2497, 0.2317

Triad

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



35.6513, 0.2132, 0.2363



35.6513, 0.4218, 0.3257



35.6513, 0.3087, 0.4329

Complementary

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



35.6513, 0.2132, 0.2363



38.6497, 0.4711, 0.3986

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.



35.6513, 0.3697, 0.4435



35.6513, 0.2132, 0.2363



35.6513, 0.4388, 0.3741

Square

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



35.6513, 0.2132, 0.2363



35.6513, 0.3711, 0.2813



35.6513, 0.4181, 0.4180



35.6513, 0.2518, 0.3828

Rectangle

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



35.6513, 0.2132, 0.2363



35.6513, 0.2858, 0.2405



35.6513, 0.4181, 0.4180



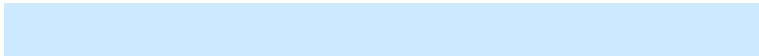
35.6513, 0.3294, 0.4412

Sweetspot

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



35.6525, 0.2132, 0.2363



78.4112, 0.2812, 0.3057



62.5920, 0.2760, 0.4571



16.2019, 0.2767, 0.3021



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.



35.6525, 0.2132, 0.2363



36.2303, 0.1984, 0.2135



15.4491, 0.1883, 0.1318



15.9775, 0.2981, 0.3186



13.1238, 0.1840, 0.1824



1.2209, 0.1902, 0.2046

Inverse Universe

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



26.0638, 0.4000, 0.2376



26.7073, 0.4272, 0.2297



69.8975, 0.4113, 0.4690



15.1983, 0.3204, 0.3156



10.8177, 0.4657, 0.2339



0.8687, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 35.6513, 0.2132, 0.2363 looks on a white background.

Color Contrast Check

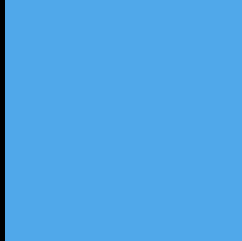
Large Text (above 18pt) WCAG AA × Fail

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 35.6513, 0.2132, 0.2363 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

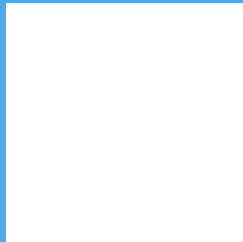
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6513, 0.2132, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 35.6513, 0.2132, 0.2363.



This preview shows how white text looks on a background with the Yxy color 35.6513, 0.2132, 0.2363.

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

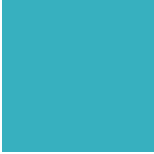
35.6513, 0.2132, 0.2363

Protanopia

35.4337, 0.2458, 0.2380

Deuteranopia

35.3644, 0.2327, 0.2268



Tritanopia

35.6245, 0.2267, 0.3047

Trichromacy



Original Color

35.6513, 0.2132, 0.2363

Protanomaly

35.3494, 0.2318, 0.2372

Deuteranomaly

35.1538, 0.2244, 0.2297

Tritanomaly

35.4821, 0.2209, 0.2768

Monochromacy



Original Color

35.6513, 0.2132, 0.2363

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.3573, 0.2645, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6513, 0.2132, 0.2363 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(80, 168, 234)` looks like.

```
.text, #text, p{  
    color:rgb(80, 168, 234)  
}
```

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(80, 168, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 168, 234) }
```

Border

The CSS property to change the border of an element to Yxy 35.6513, 0.2132, 0.2363 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(80, 168, 234) }
```

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

```
.border{ border-color:rgb(80, 168, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 168, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 168, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 168, 234);  
box-shadow:4px 4px 4px 4px rgb(80, 168,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6513, 0.2132, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 168, 234) }
```

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

```
.background{ background-color: rgb(80, 168,  
234) }
```

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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