

Converting Colors

$Yxy(35.6514, 0.2415, 0.2865)$

Have a look what the booklet for
Yxy(35.6514, 0.2415, 0.2865)
contains.

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Color

Yxy(35.6514, 0.2415, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	66AAC6
RGB	102, 170, 198
RGB Percent	40%, 67%, 78%
CMY	0.5999, 0.3334, 0.2235
CMYK	0.48, 0.14, 0.00, 0.22
HSL	198°, 46%, 59%
HSV	198°, 48%, 78%
XYZ	30.0517, 35.6514, 58.7346
YIQ	152.8600, -49.5160, -5.7080

Conversions

Conversions Part 2

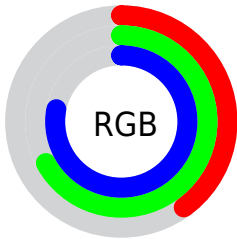
Format	Color
RYB	102, 142, 198
Decimal	6728390
CIELab	66.25, -13.91, -20.99
CIElCh	66, 25.183, 236.472
Yxy	35.6514, 0.2415, 0.2865
Android (android.graphics.Color)	4284918470 (0xFF66AAC6)
YUV	152.8600, 22.2540, -44.6042
Hunter-Lab	59.7088, -14.6505, -16.5265

Details

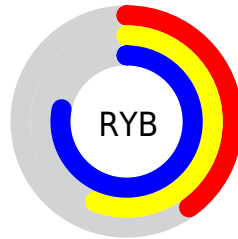
The Yxy color **35.6514, 0.2415, 0.2865** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **28.9501, 0.4262, 0.3663**, and the grayscale version is **31.7132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3395, 0.2545, 0.2944**, and **15.5060, 0.2211, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **32.5100, 0.2293, 0.2760**, and if you desaturate by 10%, it is **39.1672, 0.2550, 0.2966**.

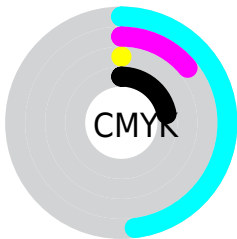
Distribution



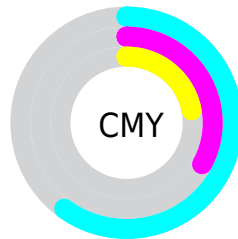
- Red (40%)
- Green (67%)
- Blue (78%)



- Red (40%)
- Yellow (56%)
- Blue (78%)



- Cyan (48%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)




- Cyan (60%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6514, 0.2415, 0.2865 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 35.6514, 0.2415, 0.2865 by changing the saturation by 10% instead.


 35.6514, 0.2415,
0.2865


 35.6514, 0.2415,
0.2865


327.4343, 0.2776,
0.3092


 24.1651, 0.2324,
0.2804


 68.4937, 0.2547,
0.2951


 15.4561, 0.2207,
0.2724


 90.6184, 0.2597,
0.2982

 9.1401, 0.2052,
0.2614


 117.0581, 0.2638,
0.3008

 4.8327, 0.1837,
0.2453

 148.1971, 0.2674,
0.3030

 2.1494, 0.1526,
0.2203

184.4198, 0.2705,
0.3049

 0.6922, 0.0825,
0.1795

226.1107, 0.2732,

 0.0000, 0.0000,

0.3065

0.0000

273.6540, 0.2755,
0.3079

■ 35.6514, 0.2415,
0.2865

■ 35.6514, 0.2415,
0.2865

■ 32.5100, 0.2293,
0.2760

■ 39.1672, 0.2550,
0.2966

■ 29.7177, 0.2186,
0.2651

■ 43.0725, 0.2695,
0.3060

■ 27.2520, 0.2098,
0.2540

■ 47.3864, 0.2845,
0.3148

■ 25.0849, 0.2030,
0.2430

■ 52.1253, 0.2998,
0.3228

■ 23.1731, 0.1981,
0.2322

■ 57.3045, 0.3150,
0.3301

■ 22.8937, 0.1974,
0.2305

■ 62.9386, 0.3301,
0.3366

■ 69.0414, 0.3447,
0.3424

■ 74.5771, 0.3546,
0.3478

■ 77.5965, 0.3534,
0.3535

Harmonies

Analogous

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



35.6514, 0.2479, 0.3176



35.6514, 0.2415, 0.2865



35.6514, 0.2525, 0.2692

Triad

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



35.6514, 0.2415, 0.2865



35.6514, 0.3546, 0.3037



35.6514, 0.3437, 0.3983

Complementary

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



35.6514, 0.2415, 0.2865



28.9501, 0.4262, 0.3663

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.



35.6514, 0.3748, 0.3892



35.6514, 0.2415, 0.2865



35.6514, 0.3820, 0.3340

Square

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



35.6514, 0.2415, 0.2865



35.6514, 0.3163, 0.2800



35.6514, 0.3893, 0.3649



35.6514, 0.3055, 0.3861

Rectangle

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



35.6514, 0.2415, 0.2865



35.6514, 0.2688, 0.2664



35.6514, 0.3893, 0.3649



35.6514, 0.3554, 0.3974

Sweetspot

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



35.6527, 0.2415, 0.2865



86.5338, 0.2894, 0.3175



44.8151, 0.2896, 0.4376



18.1475, 0.2862, 0.3157



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.



35.6527, 0.2415, 0.2865



57.3477, 0.2288, 0.2755



21.0297, 0.2273, 0.2102



11.5242, 0.2984, 0.3221



15.0388, 0.1978, 0.2320



0.8327, 0.2041, 0.2546

Inverse Universe

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



24.4206, 0.3509, 0.2427



36.5405, 0.3624, 0.2269



44.5010, 0.3951, 0.4240



10.7618, 0.3181, 0.3128



9.0582, 0.4106, 0.2035



0.4411, 0.3877, 0.1909

Previews

White Background



This preview shows how the Yxy color 35.6514, 0.2415, 0.2865 looks on a white background.

Color Contrast Check

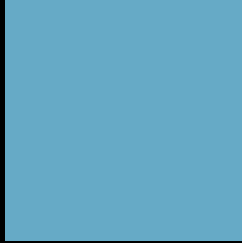
Large Text (above 18pt) WCAG AA × Fail

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 35.6514, 0.2415, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

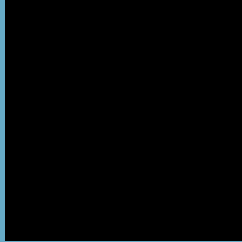
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6514, 0.2415, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 35.6514, 0.2415, 0.2865.



This preview shows how white text looks on a background with the Yxy color 35.6514, 0.2415, 0.2865.

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

35.6514, 0.2415, 0.2865

Protanopia

35.3840, 0.2822, 0.2851

Deuteranopia

35.2996, 0.2745, 0.2683



Tritanopia

35.6469, 0.2467, 0.3070

Trichromacy



Original Color

35.6514, 0.2415, 0.2865

Protanomaly

35.1955, 0.2650, 0.2851

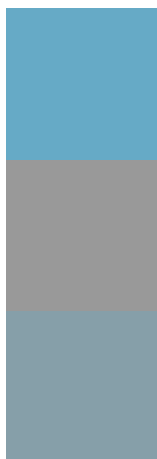
Deuteranomaly

35.2450, 0.2608, 0.2744

Tritanomaly

35.4962, 0.2447, 0.2995

Monochromacy



Original Color

35.6514, 0.2415, 0.2865

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.7292, 0.2815, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6514, 0.2415, 0.2865 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(102, 170, 198)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 198)  
}
```

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(102, 170, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 198) }
```

Border

The CSS property to change the border of an element to Yxy 35.6514, 0.2415, 0.2865 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(102, 170, 198) }
```

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

```
.border{ border-color:rgb(102, 170, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 198);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6514, 0.2415, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 198) }
```

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

```
.background{ background-color: rgb(102,  
170, 198) }
```

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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