

Converting Colors

$Y_{xy}(34.9782, 0.2409, 0.2872)$

Have a look what the booklet for
Yxy(34.9782, 0.2409, 0.2872)
contains.

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Color

Yxy(35.0708, 0.2412, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	64A9C4
RGB	100, 169, 196
RGB Percent	39%, 66%, 77%
CMY	0.6077, 0.3373, 0.2313
CMYK	0.49, 0.14, 0.00, 0.23
HSL	197°, 45%, 58%
HSV	197°, 49%, 77%
XYZ	29.4126, 35.0708, 57.4595
YIQ	151.4470, -49.7910, -6.2310

Conversions

Conversions Part 2

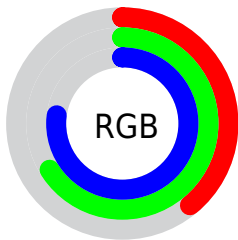
Format	Color
RYB	100, 140, 196
Decimal	6597060
CIELab	65.80, -14.41, -20.58
CIElCh	66, 25.121, 235.007
Yxy	35.0708, 0.2412, 0.2876
Android (android.graphics.Color)	4284787140 (0xFF64A9C4)
YUV	151.4470, 21.9646, -45.1190
Hunter-Lab	59.2206, -14.9818, -16.0724

Details

The Yxy color **35.0708, 0.2412, 0.2876** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **27.8580, 0.4285, 0.3653**, and the grayscale version is **31.0738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4711, 0.2543, 0.2953**, and **15.1470, 0.2203, 0.2745** is the 20% darker color. If you saturate the color by 10%, you get **32.0741, 0.2292, 0.2774**, and if you desaturate by 10%, it is **38.4258, 0.2545, 0.2973**.

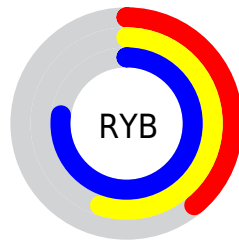
Distribution



Red (39%)

Green (66%)

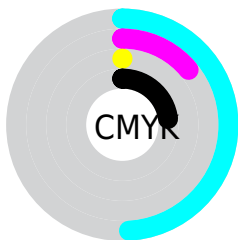
Blue (77%)



Red (39%)

Yellow (55%)

Blue (77%)

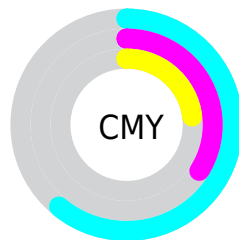


Cyan (49%)

Magenta (14%)

Yellow (0%)

Black (23%)



Cyan (61%)


Magenta (34%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0708, 0.2412, 0.2876 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 35.0708, 0.2412, 0.2876 by changing the saturation by 10% instead.


 35.0708, 0.2412,
0.2876


 35.0708, 0.2412,
0.2876


324.8807, 0.2776,
0.3098

 23.7174, 0.2320,
0.2816


 67.5954, 0.2545,
0.2960


 15.1241, 0.2202,
0.2737

 89.5355, 0.2595,
0.2991

 8.9066, 0.2044,
0.2627


 115.7732, 0.2637,
0.3016

 4.6803, 0.1826,
0.2467

 146.6930, 0.2673,
0.3037

 2.0609, 0.1509,
0.2215

182.6792, 0.2704,
0.3056

 0.6425, 0.0723,
0.1794

224.1163, 0.2731,

 0.0000, 0.0000,

0.3072

0.0000

271.3887, 0.2755,
0.3086

■ 35.0708, 0.2412,
0.2876

■ 35.0708, 0.2412,
0.2876

■ 32.0741, 0.2292,
0.2774

■ 38.4258, 0.2545,
0.2973

■ 29.4111, 0.2188,
0.2670

■ 42.1539, 0.2688,
0.3064

■ 27.0598, 0.2102,
0.2564

■ 46.2735, 0.2838,
0.3149

■ 24.9929, 0.2037,
0.2458

■ 50.8006, 0.2990,
0.3227

■ 23.1648, 0.1989,
0.2354

■ 55.7501, 0.3143,
0.3297

■ 22.9833, 0.1984,
0.2343

■ 61.1362, 0.3294,
0.3360

■ 66.9723, 0.3441,
0.3416

■ 72.9162, 0.3568,
0.3467

■ 75.7438, 0.3556,
0.3522

Harmonies

Analogous

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



35.0708, 0.2484, 0.3193



35.0708, 0.2412, 0.2876



35.0708, 0.2514, 0.2695

Triad

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



35.0708, 0.2412, 0.2876



35.0708, 0.3530, 0.3023



35.0708, 0.3456, 0.3985

Complementary

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



35.0708, 0.2412, 0.2876



27.8580, 0.4285, 0.3653

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.



35.0708, 0.3761, 0.3885



35.0708, 0.2412, 0.2876



35.0708, 0.3813, 0.3325

Square

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



35.0708, 0.2412, 0.2876



35.0708, 0.3144, 0.2790



35.0708, 0.3897, 0.3636



35.0708, 0.3074, 0.3873

Rectangle

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



35.0708, 0.2412, 0.2876



35.0708, 0.2672, 0.2662



35.0708, 0.3897, 0.3636



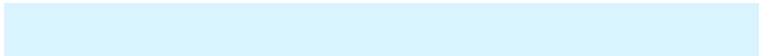
35.0708, 0.3571, 0.3973

Sweetspot

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



35.0721, 0.2412, 0.2876



86.7718, 0.2894, 0.3179



43.7009, 0.2904, 0.4415



18.2051, 0.2862, 0.3162



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.



35.0721, 0.2412, 0.2876



57.5977, 0.2281, 0.2765



20.7250, 0.2269, 0.2114



10.9334, 0.2984, 0.3224



14.9150, 0.1988, 0.2357



0.7563, 0.2053, 0.2590

Inverse Universe

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



23.7258, 0.3501, 0.2408



36.0569, 0.3619, 0.2241



42.7899, 0.3969, 0.4231



10.1976, 0.3180, 0.3126



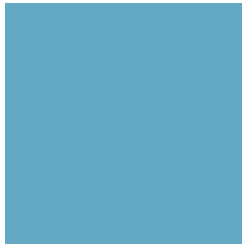
8.7879, 0.4067, 0.2014



0.3910, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 35.0708, 0.2412, 0.2876 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 35.0708, 0.2412, 0.2876 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 35.0708, 0.2412, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 35.0708, 0.2412, 0.2876.



This preview shows how white text looks on a background with the Yxy color 35.0708, 0.2412, 0.2876.

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

35.0708, 0.2412, 0.2876

Protanopia

34.8569, 0.2828, 0.2862

Deuteranopia

34.7705, 0.2750, 0.2692



Tritanopia

35.1154, 0.2459, 0.3068

Trichromacy



Original Color

35.0708, 0.2412, 0.2876

Protanomaly

34.6706, 0.2655, 0.2863

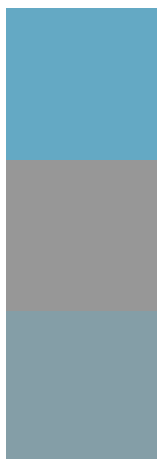
Deuteranomaly

34.6353, 0.2605, 0.2753

Tritanomaly

34.9650, 0.2438, 0.2992

Monochromacy



Original Color

35.0708, 0.2412, 0.2876

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.1493, 0.2812, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0708, 0.2412, 0.2876 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(100, 169, 196)` looks like.

```
.text, #text, p{  
    color:rgb(100, 169, 196)  
}
```

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(100, 169, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 169, 196) }
```

Border

The CSS property to change the border of an element to Yxy 35.0708, 0.2412, 0.2876 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(100, 169, 196) }
```

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

```
.border{ border-color:rgb(100, 169, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 169, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 169, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 169, 196);  
box-shadow:4px 4px 4px 4px rgb(100, 169,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0708, 0.2412, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 169, 196) }
```

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

```
.background{ background-color: rgb(100,  
169, 196) }
```

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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