

Converting Colors

$Yxy(35.7087, 0.2461, 0.2924)$

Have a look what the booklet for
Yxy(35.7087, 0.2461, 0.2924)
contains.

Yxy(35.7087, 0.2461, 0.2924)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.7087, 0.2461, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	6AAAC2
RGB	106, 170, 194
RGB Percent	42%, 67%, 76%
CMY	0.5845, 0.3333, 0.2391
CMYK	0.45, 0.12, 0.00, 0.24
HSL	196°, 42%, 59%
HSV	196°, 45%, 76%
XYZ	30.0544, 35.7087, 56.3597
YIQ	153.6000, -45.8480, -6.1040

Conversions

Conversions Part 2

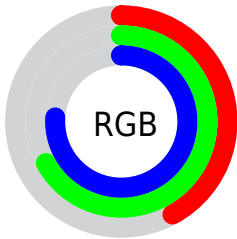
Format	Color
R _{YB}	106, 143, 194
Decimal	6990530
CIE Lab	66.30, -14.09, -18.69
CIE LCh	66, 23.407, 232.993
Yxy	35.7087, 0.2461, 0.2924
Android (android.graphics.Color)	4285180610 (0xFF6AAAC2)
YUV	153.6000, 19.9172, -41.7452
Hunter-Lab	59.7568, -14.7985, -14.0897

Details

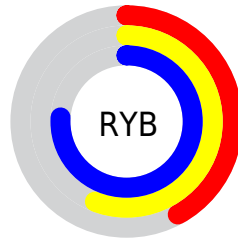
The Yxy color **35.7087, 0.2461, 0.2924** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4712, 0.4172, 0.3618**, and the grayscale version is **32.0543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3925, 0.2580, 0.2989**, and **15.5284, 0.2269, 0.2813** is the 20% darker color. If you saturate the color by 10%, you get **32.7091, 0.2337, 0.2827**, and if you desaturate by 10%, it is **39.0597, 0.2597, 0.3016**.

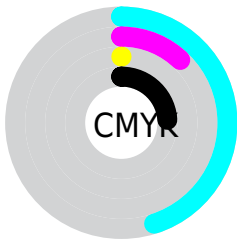
Distribution



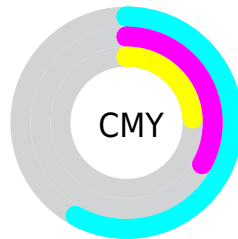
- Red (42%)
- Green (67%)
- Blue (76%)



- Red (42%)
- Yellow (56%)
- Blue (76%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (24%)




- Cyan (58%)
- Magenta (33%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7087, 0.2461, 0.2924 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 35.7087, 0.2461, 0.2924 by changing the saturation by 10% instead.


 35.7087, 0.2461,
0.2924


 35.7087, 0.2461,
0.2924


327.6855, 0.2800,
0.3120


 24.2093, 0.2375,
0.2871


 68.5822, 0.2585,
0.2998

 15.4890, 0.2265,
0.2801


 90.7251, 0.2632,
0.3025

 9.1633, 0.2117,
0.2703


 117.1847, 0.2671,
0.3048

 4.8478, 0.1912,
0.2560

 148.3452, 0.2704,
0.3067

 2.1583, 0.1611,
0.2334

184.5912, 0.2733,
0.3083

 0.6971, 0.0896,
0.1961

226.3070, 0.2758,

 0.0000, 0.0000,

0.3097

0.0000

273.8769, 0.2780,
0.3109

■ 35.7087, 0.2461,
0.2924

■ 35.7087, 0.2461,
0.2924

■ 32.7091, 0.2337,
0.2827

■ 39.0597, 0.2597,
0.3016

■ 30.0376, 0.2228,
0.2727

■ 42.7757, 0.2742,
0.3102

■ 27.6739, 0.2137,
0.2625

■ 46.8741, 0.2892,
0.3181

■ 25.5930, 0.2066,
0.2523

■ 51.3701, 0.3045,
0.3254

■ 23.7647, 0.2014,
0.2422

■ 56.2779, 0.3197,
0.3319

■ 22.9783, 0.1993,
0.2376

■ 61.6108, 0.3347,
0.3378

■ 67.3816, 0.3493,
0.3430

■ 72.4115, 0.3585,
0.3479

■ 75.1060, 0.3573,
0.3533

Harmonies

Analogous

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



35.7087, 0.2540, 0.3225



35.7087, 0.2461, 0.2924



35.7087, 0.2546, 0.2744

Triad

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



35.7087, 0.2461, 0.2924



35.7087, 0.3478, 0.3025



35.7087, 0.3456, 0.3932

Complementary

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



35.7087, 0.2461, 0.2924



28.4712, 0.4172, 0.3618

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.



35.7087, 0.3730, 0.3831



35.7087, 0.2461, 0.2924



35.7087, 0.3749, 0.3305

Square

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



35.7087, 0.2461, 0.2924



35.7087, 0.3119, 0.2813



35.7087, 0.3841, 0.3596



35.7087, 0.3103, 0.3841

Rectangle

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



35.7087, 0.2461, 0.2924



35.7087, 0.2688, 0.2705



35.7087, 0.3841, 0.3596



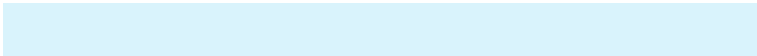
35.7087, 0.3560, 0.3918

Sweetspot

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



35.7101, 0.2461, 0.2924



85.8134, 0.2910, 0.3190



43.2521, 0.2917, 0.4316



18.4172, 0.2877, 0.3173



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.



35.7101, 0.2461, 0.2924



59.5188, 0.2343, 0.2833



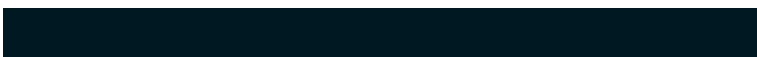
22.0103, 0.2337, 0.2217



10.9488, 0.2984, 0.3226



15.2460, 0.1997, 0.2389



0.7684, 0.2059, 0.2614

Inverse Universe

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



24.6751, 0.3455, 0.2460



38.2200, 0.3550, 0.2305



42.5816, 0.3902, 0.4166



10.1991, 0.3178, 0.3124



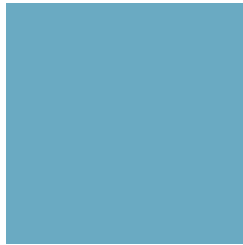
8.8213, 0.4034, 0.1996



0.3922, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 35.7087, 0.2461, 0.2924 looks on a white background.

Color Contrast Check

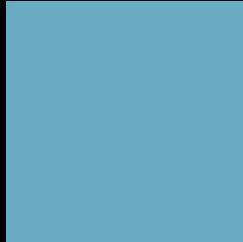
Large Text (above 18pt) WCAG AA × Fail

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 35.7087, 0.2461, 0.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

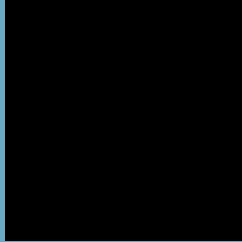
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7087, 0.2461, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 35.7087, 0.2461, 0.2924.



This preview shows how white text looks on a background with the Yxy color 35.7087, 0.2461, 0.2924.

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

35.7087, 0.2461, 0.2924

Protanopia

35.3527, 0.2854, 0.2892

Deuteranopia

35.4143, 0.2800, 0.2737



Tritanopia

35.5122, 0.2500, 0.3071

Trichromacy



Original Color

35.7087, 0.2461, 0.2924

Protanomaly

35.2305, 0.2687, 0.2894

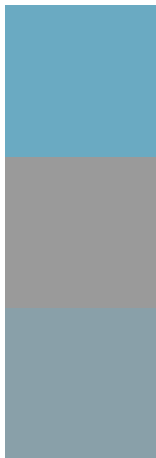
Deuteranomaly

35.3152, 0.2659, 0.2800

Tritanomaly

35.6997, 0.2488, 0.3026

Monochromacy



Original Color

35.7087, 0.2461, 0.2924

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.3245, 0.2841, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7087, 0.2461, 0.2924 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(106, 170, 194)` looks like.

```
.text, #text, p{  
    color:rgb(106, 170, 194)  
}
```

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(106, 170, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 170, 194) }
```

Border

The CSS property to change the border of an element to Yxy 35.7087, 0.2461, 0.2924 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(106, 170, 194) }
```

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

```
.border{ border-color:rgb(106, 170, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 170, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 170, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 170, 194); box-shadow:4px 4px 4px 4px rgb(106, 170, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7087, 0.2461, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 170, 194) }
```

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

```
.background{ background-color: rgb(106,  
170, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor