

Converting Colors

$Yxy(35.9476, 0.2290, 0.2960)$

Have a look what the booklet for
Yxy(35.9476, 0.2290, 0.2960)
contains.

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Color

Yxy(35.9476, 0.2290, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	46AFC4
RGB	70, 175, 196
RGB Percent	27%, 69%, 77%
CMY	0.7260, 0.3137, 0.2314
CMYK	0.64, 0.11, 0.00, 0.23
HSL	190°, 52%, 52%
HSV	190°, 64%, 77%
XYZ	27.8108, 35.9476, 57.6862
YIQ	145.9990, -69.3210, -15.7290

Conversions

Conversions Part 2

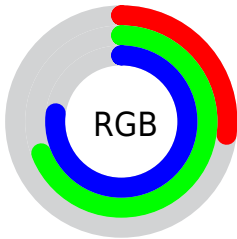
Format	Color
RYB	70, 127, 196
Decimal	4632516
CIELab	66.48, -23.58, -19.63
CIELCh	66, 30.675, 219.778
Yxy	35.9476, 0.2290, 0.2960
Android (android.graphics.Color)	4282822596 (0xFF46AFC4)
YUV	145.9990, 24.6505, -66.6511
Hunter-Lab	59.9563, -22.1261, -15.0757

Details

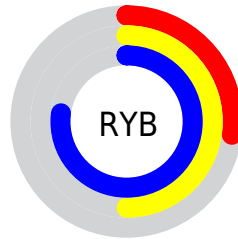
The Yxy color **35.9476, 0.2290, 0.2960** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **19.6288, 0.4987, 0.3548**, and the grayscale version is **28.6497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0690, 0.2441, 0.3029**, and **15.8721, 0.2124, 0.2847** is the 20% darker color. If you saturate the color by 10%, you get **34.0834, 0.2212, 0.2901**, and if you desaturate by 10%, it is **38.0826, 0.2386, 0.3019**.

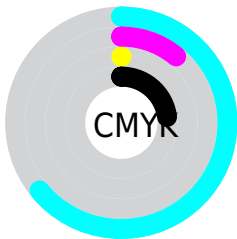
Distribution



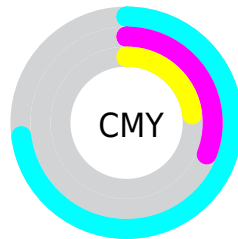
- Red (27%)
- Green (69%)
- Blue (77%)



- Red (27%)
- Yellow (50%)
- Blue (77%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)




- Cyan (73%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9476, 0.2290, 0.2960 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 35.9476, 0.2290, 0.2960 by changing the saturation by 10% instead.


 35.9476, 0.2290,
0.2960


 35.9476, 0.2290,
0.2960


328.7315, 0.2712,
0.3143


 24.3937, 0.2185,
0.2909


 68.9512, 0.2443,
0.3031

 15.6259, 0.2051,
0.2840


 91.1697, 0.2501,
0.3056

 9.2599, 0.1874,
0.2743


 117.7118, 0.2550,
0.3077

 4.9111, 0.1633,
0.2599

 148.9621, 0.2592,
0.3094

 2.1952, 0.1293,
0.2365

 185.3047, 0.2628,
0.3109

 0.7174, 0.0301,
0.2031

227.1243, 0.2659,

 0.0000, 0.0000,

0.3122

0.0000

274.8050, 0.2687,
0.3133

■ 35.9476, 0.2290,
0.2960

■ 35.9476, 0.2290,
0.2960

■ 34.0834, 0.2212,
0.2901

■ 38.0826, 0.2386,
0.3019

■ 32.4618, 0.2154,
0.2841

■ 40.5057, 0.2499,
0.3075

■ 31.0545, 0.2114,
0.2782

■ 43.2369, 0.2625,
0.3130

■ 30.3218, 0.2097,
0.2749

■ 46.2935, 0.2763,
0.3181

■ 49.6910, 0.2909,
0.3228

■ 53.4443, 0.3061,
0.3272

■ 57.5671, 0.3214,
0.3312

■ 62.0723, 0.3368,
0.3348

■ 66.9723, 0.3519,
0.3380

Harmonies

Analogous

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



35.9476, 0.2476, 0.3400



35.9476, 0.2290, 0.2960



35.9476, 0.2308, 0.2659

Triad

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



35.9476, 0.2290, 0.2960



35.9476, 0.3380, 0.2816



35.9476, 0.3725, 0.4097

Complementary

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



35.9476, 0.2290, 0.2960



19.6288, 0.4987, 0.3548

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.



35.9476, 0.4007, 0.3860



35.9476, 0.2290, 0.2960



35.9476, 0.3809, 0.3137

Square

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



35.9476, 0.2290, 0.2960



35.9476, 0.2907, 0.2603



35.9476, 0.4044, 0.3509



35.9476, 0.3294, 0.4109

Rectangle

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



35.9476, 0.2290, 0.2960



35.9476, 0.2431, 0.2560



35.9476, 0.4044, 0.3509



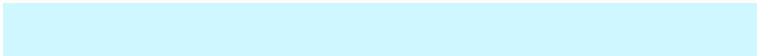
35.9476, 0.3841, 0.4038

Sweetspot

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



35.9489, 0.2290, 0.2960



86.9088, 0.2836, 0.3205



41.4871, 0.2944, 0.5079



18.2248, 0.2794, 0.3191



0.0000, 0.0000, 0.0000



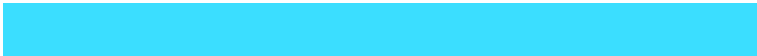
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.9489, 0.2290, 0.2960



60.5719, 0.2188, 0.2878



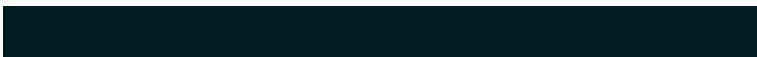
17.3196, 0.2046, 0.1916



11.1342, 0.2984, 0.3251



19.5952, 0.2099, 0.2757



0.9241, 0.2136, 0.2888

Inverse Universe

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



19.1939, 0.3461, 0.2033



29.6452, 0.3550, 0.1879



34.5801, 0.4370, 0.4309



10.2178, 0.3162, 0.3100



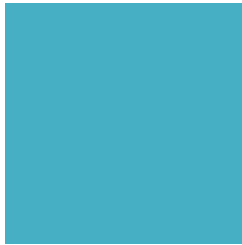
9.2604, 0.3674, 0.1798



0.4079, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 35.9476, 0.2290, 0.2960 looks on a white background.

Color Contrast Check

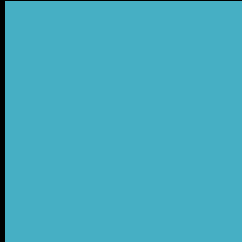
Large Text (above 18pt) WCAG AA × Fail

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 35.9476, 0.2290, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

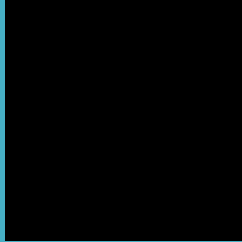
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9476, 0.2290, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 35.9476, 0.2290, 0.2960.



This preview shows how white text looks on a background with the Yxy color 35.9476, 0.2290, 0.2960.

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

35.9476, 0.2290, 0.2960

Protanopia

35.3670, 0.2879, 0.2920

Deuteranopia

35.3520, 0.2761, 0.2696



Tritanopia

35.9617, 0.2313, 0.3065

Trichromacy



Original Color

35.9476, 0.2290, 0.2960

Protanomaly

34.9444, 0.2607, 0.2929

Deuteranomaly

35.0344, 0.2539, 0.2776

Tritanomaly

36.0854, 0.2306, 0.3035

Monochromacy



Original Color

35.9476, 0.2290, 0.2960

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.6458, 0.2717, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9476, 0.2290, 0.2960 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(70, 175, 196)` looks like.

```
.text, #text, p{  
    color:rgb(70, 175, 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(70, 175, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 175, 196) }
```

Border

The CSS property to change the border of an element to Yxy 35.9476, 0.2290, 0.2960 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(70, 175, 196) }
```

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

```
.border{ border-color:rgb(70, 175, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 175, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 175, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 175, 196);  
box-shadow:4px 4px 4px 4px rgb(70, 175,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9476, 0.2290, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 175, 196) }
```

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

```
.background{ background-color: rgb(70, 175,  
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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