

Converting Colors

$Yxy(35.9984, 0.2316, 0.3087)$

Have a look what the booklet for
Yxy(35.9984, 0.2316, 0.3087)
contains.

Yxy(35.8830, 0.2314, 0.3080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.8830, 0.2314, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	42B0BD
RGB	66, 176, 189
RGB Percent	26%, 69%, 74%
CMY	0.7412, 0.3098, 0.2587
CMYK	0.65, 0.07, 0.00, 0.26
HSL	186°, 48%, 50%
HSV	186°, 65%, 74%
XYZ	26.9589, 35.8830, 53.6614
YIQ	144.5920, -69.7330, -19.2770

Conversions

Conversions Part 2

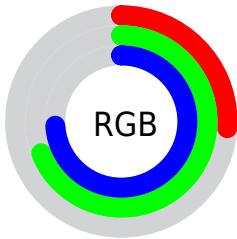
Format	Color
RYB	66, 124, 189
Decimal	4370621
CIELab	66.43, -26.79, -15.86
CIELCh	66, 31.128, 210.624
Yxy	35.8830, 0.2314, 0.3080
Android (android.graphics.Color)	4282560701 (0xFF42B0BD)
YUV	144.5920, 21.8931, -68.9252
Hunter-Lab	59.9024, -24.4960, -11.1811

Details

The Yxy color **35.8830, 0.2314, 0.3080** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8100, 0.5089, 0.3453**, and the grayscale version is **28.0731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8950, 0.2466, 0.3132**, and **15.9435, 0.2165, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **34.5539, 0.2246, 0.3043**, and if you desaturate by 10%, it is **37.4432, 0.2401, 0.3116**.

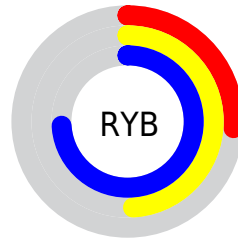
Distribution



Red (26%)

Green (69%)

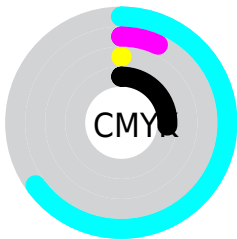
Blue (74%)



Red (26%)

Yellow (49%)

Blue (74%)

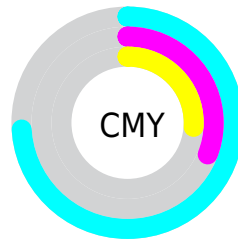


Cyan (65%)

Magenta (7%)

Yellow (0%)

Black (26%)



Cyan (74%)


Magenta (31%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8830, 0.2314, 0.3080 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 35.8830, 0.2314, 0.3080 by changing the saturation by 10% instead.


 35.8830, 0.2314,
0.3080


 35.8830, 0.2314,
0.3080


328.4489, 0.2725,
0.3201

 24.3438, 0.2211,
0.3044


 68.8514, 0.2464,
0.3128

 15.5889, 0.2079,
0.2995


 91.0495, 0.2520,
0.3145


 9.2337, 0.1904,
0.2925


 117.5694, 0.2568,
0.3159

 4.8939, 0.1664,
0.2815

 148.7954, 0.2608,
0.3170

 2.1852, 0.1320,
0.2628

 185.1119, 0.2644,
0.3180

 0.7119, 0.0077,
0.2420

226.9034, 0.2674,

 0.0000, 0.0000,

0.3188

0.0000

274.5543, 0.2701,
0.3195

■ 35.8830, 0.2314,
0.3080

■ 35.8830, 0.2314,
0.3080

■ 34.5539, 0.2246,
0.3043

■ 37.4432, 0.2401,
0.3116

■ 33.4296, 0.2197,
0.3007

■ 39.2499, 0.2505,
0.3152

■ 32.4840, 0.2166,
0.2971

■ 41.3216, 0.2625,
0.3186

■ 32.0567, 0.2154,
0.2953

■ 43.6738, 0.2757,
0.3218

■ 46.3211, 0.2900,
0.3249

■ 49.2767, 0.3049,
0.3277

■ 52.5532, 0.3203,
0.3302

■ 56.1623, 0.3358,
0.3325

■ 60.1153, 0.3513,
0.3346

Harmonies

Analogous

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



35.8830, 0.2561, 0.3548



35.8830, 0.2314, 0.3080



35.8830, 0.2269, 0.2723

Triad

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



35.8830, 0.2314, 0.3080



35.8830, 0.3235, 0.2729



35.8830, 0.3843, 0.4054

Complementary

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



35.8830, 0.2314, 0.3080



16.8100, 0.5089, 0.3453

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.



35.8830, 0.4061, 0.3766



35.8830, 0.2314, 0.3080



35.8830, 0.3701, 0.3027

Square

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



35.8830, 0.2314, 0.3080



35.8830, 0.2770, 0.2557



35.8830, 0.4013, 0.3395



35.8830, 0.3438, 0.4148

Rectangle

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



35.8830, 0.2314, 0.3080



35.8830, 0.2353, 0.2585



35.8830, 0.4013, 0.3395



35.8830, 0.3941, 0.3974

Sweetspot

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



35.8843, 0.2314, 0.3080



80.3900, 0.2824, 0.3233



38.1174, 0.2974, 0.5191



17.0064, 0.2784, 0.3224



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.8843, 0.2314, 0.3080



60.9893, 0.2223, 0.3028



17.1424, 0.2063, 0.2010



10.6323, 0.2985, 0.3265



21.6299, 0.2155, 0.2958



0.8974, 0.2179, 0.3044

Inverse Universe

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



17.8527, 0.3363, 0.1951



27.4153, 0.3420, 0.1788



29.9166, 0.4442, 0.4242



9.6784, 0.3153, 0.3087



9.2132, 0.3491, 0.1697



0.3659, 0.3416, 0.1655

Previews

White Background



This preview shows how the Yxy color 35.8830, 0.2314, 0.3080 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 35.8830, 0.2314, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

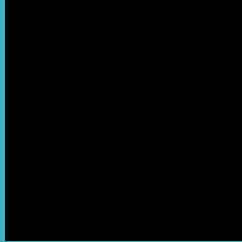
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8830, 0.2314, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 35.8830, 0.2314, 0.3080.

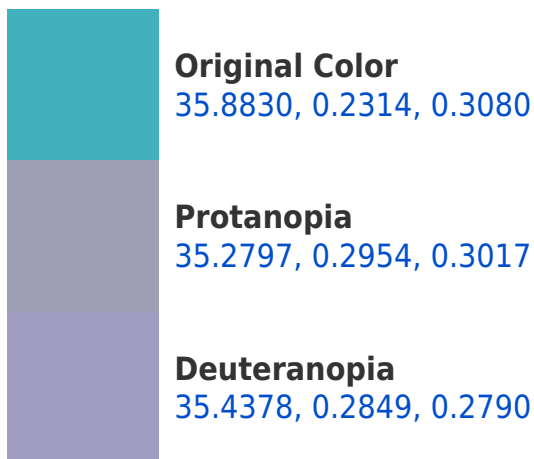


This preview shows how white text looks on a background with the Yxy color 35.8830, 0.2314, 0.3080.

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





Tritanopia

35.9617, 0.2313, 0.3065

Trichromacy



Original Color

35.8830, 0.2314, 0.3080

Protanomaly

34.6476, 0.2655, 0.3030

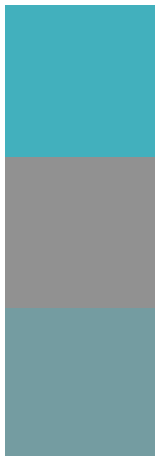
Deuteranomaly

34.7923, 0.2592, 0.2873

Tritanomaly

35.9617, 0.2313, 0.3065

Monochromacy



Original Color

35.8830, 0.2314, 0.3080

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.0631, 0.2722, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8830, 0.2314, 0.3080 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(66, 176, 189)` looks like.

```
.text, #text, p{  
    color:rgb(66, 176, 189)  
}
```

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(66, 176, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 176, 189) }
```

Border

The CSS property to change the border of an element to Yxy 35.8830, 0.2314, 0.3080 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(66, 176, 189) }
```

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

```
.border{ border-color:rgb(66, 176, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 176, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 176, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 176, 189);  
box-shadow:4px 4px 4px 4px rgb(66, 176,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8830, 0.2314, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 176, 189) }
```

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

```
.background{ background-color: rgb(66, 176,  
189) }
```

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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