

Converting Colors

$Yxy(38.2306, 0.2331, 0.3112)$

Have a look what the booklet for
Yxy(38.2306, 0.2331, 0.3112)
contains.

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Color

Yxy(38.1556, 0.2333, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	46B5C0
RGB	70, 181, 192
RGB Percent	27%, 71%, 75%
CMY	0.7252, 0.2902, 0.2471
CMYK	0.64, 0.06, 0.00, 0.25
HSL	185°, 49%, 51%
HSV	185°, 64%, 75%
XYZ	28.5677, 38.1556, 55.7273
YIQ	149.0650, -69.6870, -20.1110

Conversions

Conversions Part 2

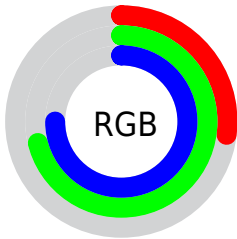
Format	Color
RYB	70, 128, 192
Decimal	4634048
CIELab	68.14, -27.73, -14.92
CIElCh	68, 31.485, 208.285
Yxy	38.1556, 0.2333, 0.3116
Android (android.graphics.Color)	4282824128 (0xFF46B5C0)
YUV	149.0650, 21.1670, -69.3400
Hunter-Lab	61.7702, -25.5445, -10.2505

Details

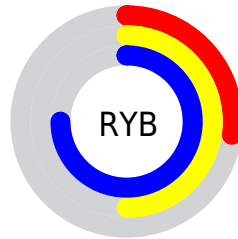
The Yxy color **38.1556, 0.2333, 0.3116** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **17.5464, 0.5040, 0.3429**, and the grayscale version is **30.0239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2512, 0.2481, 0.3158**, and **17.3024, 0.2180, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **36.8524, 0.2264, 0.3085**, and if you desaturate by 10%, it is **39.6987, 0.2421, 0.3147**.

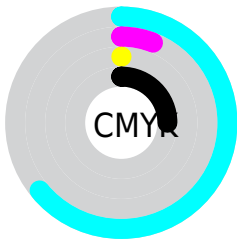
Distribution



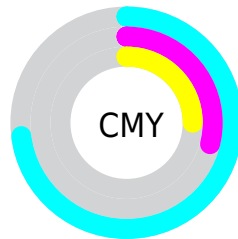
- Red (27%)
- Green (71%)
- Blue (75%)



- Red (27%)
- Yellow (50%)
- Blue (75%)



- Cyan (64%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)





- Cyan (73%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1556, 0.2333, 0.3116 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 38.1556, 0.2333, 0.3116 by changing the saturation by 10% instead.


 38.1556, 0.2333,
0.3116


 38.1556, 0.2333,
0.3116


338.2870, 0.2731,
0.3217

 26.1035, 0.2234,
0.3086


 72.3466, 0.2478,
0.3156


 16.9011, 0.2108,
0.3045

 95.2542, 0.2532,
0.3170


 10.1640, 0.1942,
0.2986

 122.5491, 0.2578,
0.3182

 5.5078, 0.1715,
0.2894

 154.6157, 0.2617,
0.3191

 2.5482, 0.1391,
0.2738

 191.8384, 0.2652,
0.3199

 0.9007, 0.0506,
0.2545

234.6016, 0.2681,

 0.0000, 0.0000,

0.3206

0.0000

283.2897, 0.2708,
0.3212

■ 38.1556, 0.2333,
0.3116

■ 38.1556, 0.2333,
0.3116

■ 36.8524, 0.2264,
0.3085

■ 39.6987, 0.2421,
0.3147

■ 35.7622, 0.2214,
0.3054

■ 41.4971, 0.2526,
0.3177

■ 34.8590, 0.2182,
0.3024

■ 43.5698, 0.2646,
0.3206

■ 34.3383, 0.2168,
0.3004

■ 45.9329, 0.2780,
0.3233

■ 48.6009, 0.2923,
0.3259

■ 51.5877, 0.3073,
0.3282

■ 54.9061, 0.3228,
0.3304

■ 58.5682, 0.3384,
0.3323

■ 62.5855, 0.3539,
0.3341

Harmonies

Analogous

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



38.1556, 0.2593, 0.3582



38.1556, 0.2333, 0.3116



38.1556, 0.2272, 0.2750

Triad

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



38.1556, 0.2333, 0.3116



38.1556, 0.3196, 0.2715



38.1556, 0.3861, 0.4031

Complementary

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



38.1556, 0.2333, 0.3116



17.5464, 0.5040, 0.3429

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.



38.1556, 0.4059, 0.3736



38.1556, 0.2333, 0.3116



38.1556, 0.3663, 0.3003

Square

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



38.1556, 0.2333, 0.3116



38.1556, 0.2741, 0.2556



38.1556, 0.3989, 0.3365



38.1556, 0.3471, 0.4142

Rectangle

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



38.1556, 0.2333, 0.3116



38.1556, 0.2345, 0.2603



38.1556, 0.3989, 0.3365



38.1556, 0.3954, 0.3947

Sweetspot

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



38.1570, 0.2333, 0.3116



85.1885, 0.2839, 0.3244



39.5867, 0.2985, 0.5175



17.9844, 0.2798, 0.3236



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.1570, 0.2333, 0.3116



65.9978, 0.2243, 0.3074



18.7559, 0.2094, 0.2081



11.2680, 0.2984, 0.3269



23.1655, 0.2169, 0.3008



1.0472, 0.2188, 0.3076

Inverse Universe

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



18.9325, 0.3331, 0.1954



29.4042, 0.3380, 0.1785



30.7580, 0.4427, 0.4202



10.2313, 0.3151, 0.3083



9.6208, 0.3447, 0.1673



0.4204, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 38.1556, 0.2333, 0.3116 looks on a white background.

Color Contrast Check

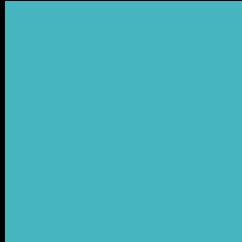
Large Text (above 18pt) WCAG AA × Fail

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 38.1556, 0.2333, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

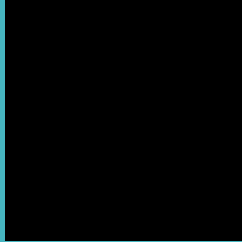
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

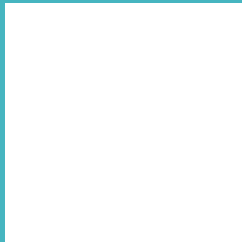
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1556, 0.2333, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 38.1556, 0.2333, 0.3116.

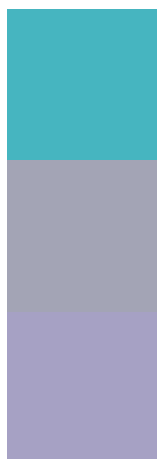


This preview shows how white text looks on a background with the Yxy color 38.1556, 0.2333, 0.3116.

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

38.1556, 0.2333, 0.3116

Protanopia

37.6736, 0.2975, 0.3052

Deuteranopia

37.5823, 0.2880, 0.2816



Tritanopia

37.9604, 0.2322, 0.3055

Trichromacy



Original Color

38.1556, 0.2333, 0.3116

Protanomaly

36.9194, 0.2672, 0.3066

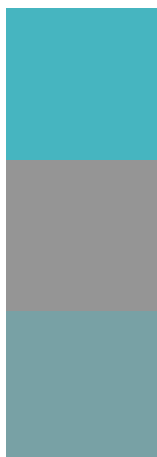
Deuteranomaly

36.7707, 0.2616, 0.2896

Tritanomaly

37.8772, 0.2323, 0.3070

Monochromacy



Original Color

38.1556, 0.2333, 0.3116

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.1994, 0.2732, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1556, 0.2333, 0.3116 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, 181, 192)` looks like.

```
.text, #text, p{  
    color:rgb(70, 181, 192)  
}
```

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, 181, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 181, 192) }
```

Border

The CSS property to change the border of an element to Yxy 38.1556, 0.2333, 0.3116 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, 181, 192) }
```

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

```
.border{ border-color:rgb(70, 181, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 181, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 181, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 181, 192);  
box-shadow:4px 4px 4px 4px rgb(70, 181,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1556, 0.2333, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 181, 192) }
```

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

```
.background{ background-color: rgb(70, 181,  
192) }
```

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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