

Converting Colors

$Yxy(60.0307, 0.2354, 0.3349)$

Have a look what the booklet for
Yxy(60.0307, 0.2354, 0.3349)
contains.

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Color

Yxy(60.3198, 0.2356, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	46E1DC
RGB	70, 225, 220
RGB Percent	27%, 88%, 86%
CMY	0.7261, 0.1176, 0.1373
CMYK	0.69, 0.00, 0.02, 0.12
HSL	178°, 72%, 58%
HSV	178°, 69%, 88%
XYZ	42.3587, 60.3198, 77.1123
YIQ	178.0850, -90.7750, -34.4150

Conversions

Conversions Part 2

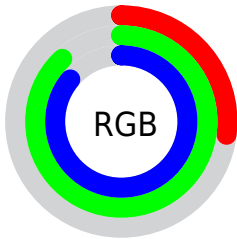
Format	Color
RYB	70, 149, 225
Decimal	4645340
CIELab	82.01, -40.55, -9.29
CIELCh	82, 41.595, 192.901
Yxy	60.3198, 0.2356, 0.3355
Android (android.graphics.Color)	4282835420 (0xFF46E1DC)
YUV	178.0850, 20.6641, -94.7905
Hunter-Lab	77.6658, -38.5618, -4.5013

Details

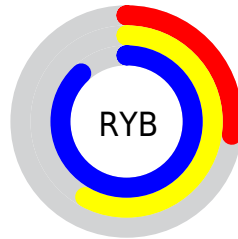
The Yxy color **60.3198, 0.2356, 0.3355** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.8761, 0.5372, 0.3251**, and the grayscale version is **44.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **31.0925, 0.2266, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **59.5999, 0.2312, 0.3366**, and if you desaturate by 10%, it is **61.3575, 0.2420, 0.3344**.

Distribution



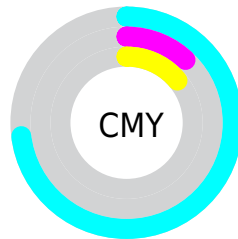
- Red (27%)
- Green (88%)
- Blue (86%)



- Red (27%)
- Yellow (58%)
- Blue (88%)



- Cyan (69%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)





- Cyan (73%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3198, 0.2356, 0.3355 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 60.3198, 0.2356, 0.3355 by changing the saturation by 10% instead.


 60.3198, 0.2356,
0.3355


 60.3198, 0.2356,
0.3355


425.7755, 0.2716,
0.3333

 43.6765, 0.2274,
0.3358


 105.2934, 0.2481,
0.3349

 30.4162, 0.2172,
0.3359


 134.3925, 0.2530,
0.3347

 20.1547, 0.2043,
0.3359


 168.4123, 0.2572,
0.3344

 12.5076, 0.1876,
0.3355

 207.7372, 0.2608,
0.3342

 7.0903, 0.1651,
0.3342

252.7515, 0.2640,
0.3339

 3.5187, 0.1339,
0.3305

303.8398, 0.2668,

 1.4081, 0.0640,

0.3337

361.3863, 0.2694,
0.3335

0.3289

0.2227, 0.0000,
0.1998

0.0000, 0.0000,
0.0000

60.3198, 0.2356,
0.3355

60.3198, 0.2356,
0.3355

59.5999, 0.2312,
0.3366

61.3575, 0.2420,
0.3344

59.1537, 0.2286,
0.3376


62.7376, 0.2502,
0.3334


58.9260, 0.2275,
0.3387


64.4899, 0.2603,
0.3324

58.9070, 0.2274,
0.3388

66.6393, 0.2721,
0.3314

 69.2083, 0.2852,
0.3305

 72.2180, 0.2993,
0.3297

 75.6880, 0.3143,
0.3289

 79.6365, 0.3297,
0.3282

 80.6406, 0.3329,
0.3275

Harmonies

Analogous

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



60.3198, 0.2743, 0.3882



60.3198, 0.2356, 0.3355



60.3198, 0.2174, 0.2863

Triad

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



60.3198, 0.2356, 0.3355



60.3198, 0.2927, 0.2535



60.3198, 0.4105, 0.3964

Complementary

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



60.3198, 0.2356, 0.3355



20.8761, 0.5372, 0.3251

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.



60.3198, 0.4184, 0.3572



60.3198, 0.2356, 0.3355



60.3198, 0.3470, 0.2787

Square

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



60.3198, 0.2356, 0.3355



60.3198, 0.2480, 0.2445



60.3198, 0.3947, 0.3154



60.3198, 0.3756, 0.4224

Rectangle

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



60.3198, 0.2356, 0.3355



60.3198, 0.2179, 0.2631



60.3198, 0.3947, 0.3154



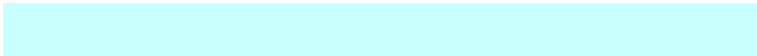
60.3198, 0.4166, 0.3842

Sweetspot

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



60.3221, 0.2356, 0.3355



91.1087, 0.2822, 0.3307



55.7956, 0.3043, 0.5490



19.2932, 0.2785, 0.3310



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.



60.3221, 0.2356, 0.3355



78.8274, 0.2298, 0.3371



29.3844, 0.2074, 0.2221



15.5643, 0.2986, 0.3297



33.9428, 0.2274, 0.3386



2.3552, 0.2269, 0.3370

Inverse Universe

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



20.8761, 0.5372, 0.3251



23.2454, 0.5995, 0.3264



35.8718, 0.4746, 0.4066



13.7077, 0.3287, 0.3283



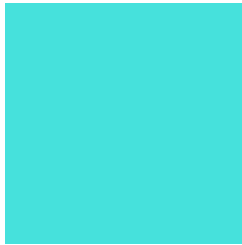
9.2368, 0.6365, 0.3280



0.6428, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 60.3198, 0.2356, 0.3355 looks on a white background.

Color Contrast Check

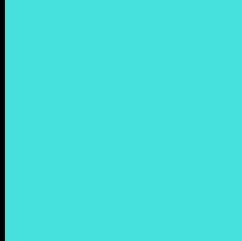
Large Text (above 18pt) WCAG AA × Fail

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 60.3198, 0.2356, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

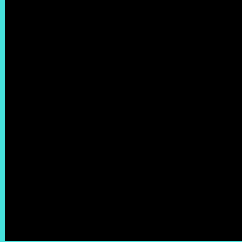
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.3198, 0.2356, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 60.3198, 0.2356, 0.3355.

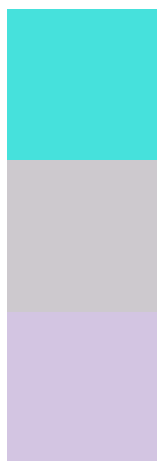


This preview shows how white text looks on a background with the Yxy color 60.3198, 0.2356, 0.3355.

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

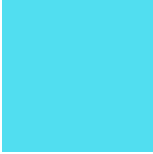
60.3198, 0.2356, 0.3355

Protanopia

59.2087, 0.3122, 0.3232

Deuteranopia

59.2724, 0.3027, 0.2963



Tritanopia

60.2832, 0.2294, 0.3057

Trichromacy



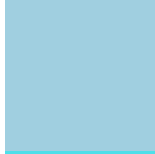
Original Color

60.3198, 0.2356, 0.3355



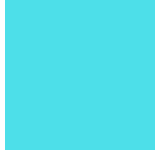
Protanomaly

57.8643, 0.2747, 0.3276



Deuteranomaly

57.4810, 0.2692, 0.3079



Tritanomaly

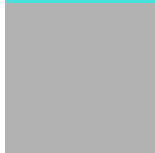
60.2363, 0.2314, 0.3157

Monochromacy



Original Color

60.3198, 0.2356, 0.3355



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.3694, 0.2728, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3198, 0.2356, 0.3355 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, 225, 220)` looks like.

```
.text, #text, p{  
    color:rgb(70, 225, 220)  
}
```

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, 225, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 225, 220) }
```

Border

The CSS property to change the border of an element to Yxy 60.3198, 0.2356, 0.3355 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, 225, 220) }
```

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

```
.border{ border-color:rgb(70, 225, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 225, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 225, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 225, 220);  
box-shadow:4px 4px 4px 4px rgb(70, 225,  
220) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 60.3198, 0.2356, 0.3355$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 225, 220) }
```

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

```
.background{ background-color: rgb(70, 225,  
220) }
```

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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