

Converting Colors

$Y_{xy}(60.1703, 0.2370, 0.3550)$

Have a look what the booklet for
Yxy(60.1703, 0.2370, 0.3550)
contains.

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Color

Yxy(60.1703, 0.2370, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	32E3D0
RGB	50, 227, 208
RGB Percent	20%, 89%, 82%
CMY	0.8035, 0.1098, 0.1844
CMYK	0.78, 0.00, 0.08, 0.11
HSL	174°, 76%, 54%
HSV	174°, 78%, 89%
XYZ	40.1700, 60.1703, 69.1535
YIQ	171.9110, -99.3930, -43.4330

Conversions

Conversions Part 2

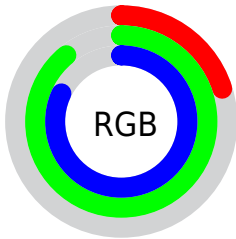
Format	Color
RYB	50, 144, 227
Decimal	3335120
CIELab	81.93, -46.89, -3.07
CIELCh	82, 46.991, 183.745
Yxy	60.1703, 0.2370, 0.3550
Android (android.graphics.Color)	4281525200 (0xFF32E3D0)
YUV	171.9110, 17.7919, -106.9159
Hunter-Lab	77.5695, -43.3089, 1.4414

Details

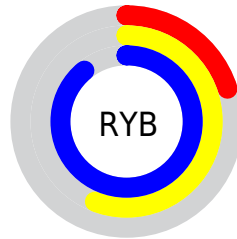
The Yxy color **60.1703, 0.2370, 0.3550** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.0520, 0.5604, 0.3149**, and the grayscale version is **41.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **31.4589, 0.2333, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **59.6112, 0.2348, 0.3587**, and if you desaturate by 10%, it is **61.0217, 0.2411, 0.3513**.

Distribution



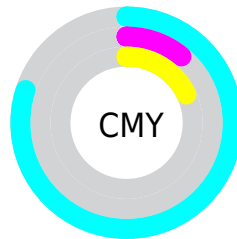
- Red (20%)
- Green (89%)
- Blue (82%)



- Red (20%)
- Yellow (56%)
- Blue (89%)



- Cyan (78%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (80%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1703, 0.2370, 0.3550 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 60.1703, 0.2370, 0.3550 by changing the saturation by 10% instead.


 60.1703, 0.2370,
0.3550


 60.1703, 0.2370,
0.3550


425.2252, 0.2727,
0.3431


 43.5559, 0.2287,
0.3577


 105.0767, 0.2495,
0.3509

 30.3215, 0.2185,
0.3609


 134.1374, 0.2543,
0.3493

 20.0828, 0.2055,
0.3650


 168.1158, 0.2584,
0.3479

 12.4552, 0.1885,
0.3702

 207.3961, 0.2620,
0.3467

 7.0545, 0.1655,
0.3768

252.3629, 0.2652,
0.3456

 3.4962, 0.1329,
0.3855

303.4003, 0.2680,

 1.3960, 0.0332,

0.3447

0.4184

360.8930, 0.2704,
0.3438

■ 0.2137, 0.0000,
0.3233

■ 0.0000, 0.0000,
0.0000

■ 60.1703, 0.2370,
0.3550

■ 60.1703, 0.2370,
0.3550

■ 59.6112, 0.2348,
0.3587

■ 61.0217, 0.2411,
0.3513


■ 59.2856, 0.2342,
0.3624

■ 62.1957, 0.2472,
0.3475

■ 59.2313, 0.2342,
0.3632


■ 63.7263, 0.2551,
0.3439

■ 65.6414, 0.2648,
0.3404

 67.9661, 0.2759,
0.3371

 70.7232, 0.2883,
0.3340

 73.9342, 0.3017,
0.3311

 77.6188, 0.3156,
0.3285

 81.7958, 0.3300,
0.3261

Harmonies

Analogous

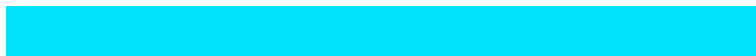
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.1703, 0.2856, 0.4120



60.1703, 0.2370, 0.3550



60.1703, 0.2097, 0.2953

Triad

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



60.1703, 0.2370, 0.3550



60.1703, 0.2728, 0.2397



60.1703, 0.4292, 0.3909

Complementary

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



60.1703, 0.2370, 0.3550



19.0520, 0.5604, 0.3149

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.



60.1703, 0.4278, 0.3451



60.1703, 0.2370, 0.3550



60.1703, 0.3322, 0.2627

Square

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



60.1703, 0.2370, 0.3550



60.1703, 0.2290, 0.2357



60.1703, 0.3910, 0.2999



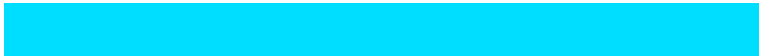
60.1703, 0.3974, 0.4273

Rectangle

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



60.1703, 0.2370, 0.3550



60.1703, 0.2053, 0.2650



60.1703, 0.3910, 0.2999



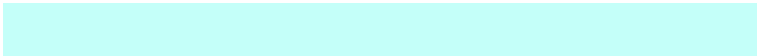
60.1703, 0.4328, 0.3761

Sweetspot

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



60.1726, 0.2370, 0.3550



90.1231, 0.2817, 0.3356



56.5000, 0.3080, 0.5681



19.0199, 0.2773, 0.3367



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.



60.1726, 0.2370, 0.3550



77.2934, 0.2343, 0.3612



31.0880, 0.2032, 0.2287



16.3083, 0.2996, 0.3315



34.5538, 0.2341, 0.3626



2.5611, 0.2326, 0.3572

Inverse Universe

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



19.0520, 0.5604, 0.3149



21.7709, 0.6178, 0.3216



29.4982, 0.5170, 0.3938



14.3931, 0.3276, 0.3265



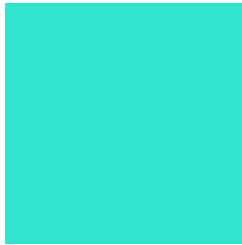
9.5719, 0.6269, 0.3227



0.7158, 0.5980, 0.3068

Previews

White Background



This preview shows how the Yxy color 60.1703, 0.2370, 0.3550 looks on a white background.

Color Contrast Check

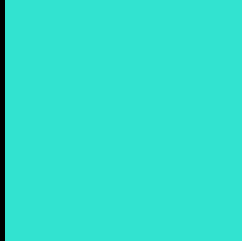
Large Text (above 18pt) WCAG AA × Fail

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 60.1703, 0.2370, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

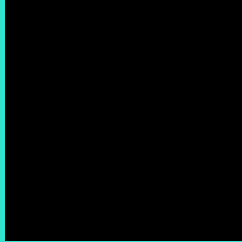
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

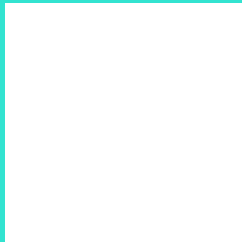
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.1703, 0.2370, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 60.1703, 0.2370, 0.3550.

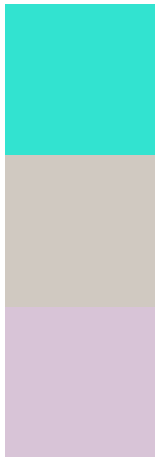


This preview shows how white text looks on a background with the Yxy color 60.1703, 0.2370, 0.3550.

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

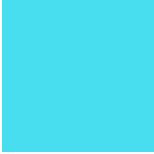
60.1703, 0.2370, 0.3550

Protanopia

59.0334, 0.3241, 0.3384

Deuteranopia

58.9851, 0.3145, 0.3075



Tritanopia

59.9115, 0.2270, 0.3055

Trichromacy



Original Color

60.1703, 0.2370, 0.3550



Protanomaly

56.7497, 0.2793, 0.3445



Deuteranomaly

56.4470, 0.2737, 0.3225



Tritanomaly

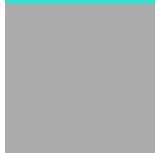
60.0027, 0.2306, 0.3235

Monochromacy



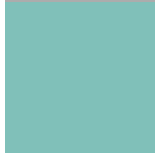
Original Color

60.1703, 0.2370, 0.3550



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.7913, 0.2702, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1703, 0.2370, 0.3550 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(50, 227, 208)` looks like.

```
.text, #text, p{  
    color:rgb(50, 227, 208)  
}
```

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(50, 227, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 227, 208) }
```

Border

The CSS property to change the border of an element to Yxy 60.1703, 0.2370, 0.3550 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(50, 227, 208) }
```

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

```
.border{ border-color:rgb(50, 227, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 227, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 227, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 227, 208);  
box-shadow:4px 4px 4px 4px rgb(50, 227,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1703, 0.2370, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 227, 208) }
```

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

```
.background{ background-color: rgb(50, 227,  
208) }
```

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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