

Converting Colors

$Y_{xy}(35.4011, 0.2262, 0.3287)$

Have a look what the booklet for
Yxy(35.4011, 0.2262, 0.3287)
contains.

Yxy(35.2241, 0.2257, 0.3271)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.2241, 0.2257, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	12B2B3
RGB	18, 178, 179
RGB Percent	7%, 70%, 70%
CMY	0.9295, 0.3019, 0.2981
CMYK	0.90, 0.01, 0.00, 0.30
HSL	180°, 82%, 39%
HSV	180°, 90%, 70%
XYZ	24.3047, 35.2241, 48.1572
YIQ	130.2740, -95.6810, -33.6090

Conversions

Conversions Part 2

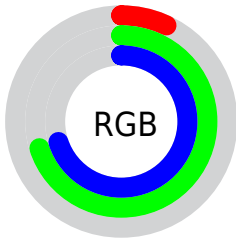
Format	Color
RYB	18, 98, 179
Decimal	1225395
CIELab	65.92, -35.75, -11.13
CIELCh	66, 37.448, 197.298
Yxy	35.2241, 0.2257, 0.3271
Android (android.graphics.Color)	4279415475 (0xFF12B2B3)
YUV	130.2740, 24.0219, -98.4643
Hunter-Lab	59.3499, -30.7637, -6.5637

Details

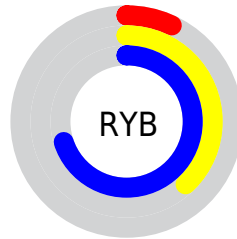
The Yxy color **35.2241, 0.2257, 0.3271** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.0902, 0.6198, 0.3304**, and the grayscale version is **22.3628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6686, 0.2415, 0.3275**, and **16.1736, 0.2240, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **35.0542, 0.2242, 0.3269**, and if you desaturate by 10%, it is **35.5133, 0.2286, 0.3273**.

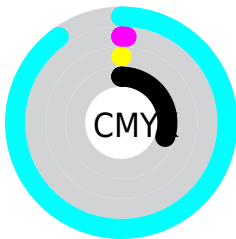
Distribution



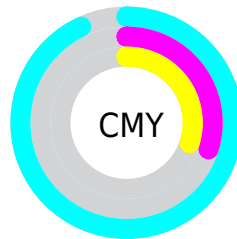
- Red (7%)
- Green (70%)
- Blue (70%)



- Red (7%)
- Yellow (38%)
- Blue (70%)



- Cyan (90%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)




- Cyan (93%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2241, 0.2257, 0.3271 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 35.2241, 0.2257, 0.3271 by changing the saturation by 10% instead.


 35.2241, 0.2257,
0.3271


 35.2241, 0.2257,
0.3271


325.5564, 0.2699,
0.3294


 23.8356, 0.2145,
0.3260


 67.8328, 0.2419,
0.3283

 15.2117, 0.2002,
0.3243


 89.8217, 0.2479,
0.3286


 8.9681, 0.1812,
0.3214


 116.1129, 0.2530,
0.3289

 4.7204, 0.1550,
0.3160

 147.0907, 0.2574,
0.3291

 2.0841, 0.1175,
0.3051

 183.1396, 0.2612,
0.3292

 0.6557, 0.0000,
0.2914

224.6439, 0.2645,

 0.0000, 0.0000,

0.3293

0.0000

271.9880, 0.2674,
0.3294

■ 35.2241, 0.2257,
0.3271

■ 35.2241, 0.2257,
0.3271

■ 35.0542, 0.2242,
0.3269

■ 35.5133, 0.2286,
0.3273

■ 35.0534, 0.2241,
0.3269

■ 35.9620, 0.2332,
0.3275

■ 36.5927, 0.2398,
0.3277

■ 37.4233, 0.2482,
0.3279

■ 38.4697, 0.2584,
0.3282

■ 39.7461, 0.2702,
0.3284

■ 41.2655, 0.2834,
0.3286

■ 43.0401, 0.2977,
0.3288

■ 45.0809, 0.3128,
0.3290

Harmonies

Analogous

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



35.2241, 0.2640, 0.3855



35.2241, 0.2257, 0.3271



35.2241, 0.2101, 0.2765

Triad

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



35.2241, 0.2257, 0.3271



35.2241, 0.2992, 0.2513



35.2241, 0.4137, 0.4061

Complementary

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



35.2241, 0.2257, 0.3271



10.0902, 0.6198, 0.3304

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.



35.2241, 0.4274, 0.3651



35.2241, 0.2257, 0.3271



35.2241, 0.3580, 0.2803

Square

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



35.2241, 0.2257, 0.3271



35.2241, 0.2492, 0.2389



35.2241, 0.4068, 0.3205



35.2241, 0.3726, 0.4316

Rectangle

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



35.2241, 0.2257, 0.3271



35.2241, 0.2129, 0.2540



35.2241, 0.4068, 0.3205



35.2241, 0.4218, 0.3935

Sweetspot

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



35.2254, 0.2257, 0.3271



71.8349, 0.2733, 0.3284



32.4063, 0.3004, 0.5909



15.7259, 0.2691, 0.3284



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.2254, 0.2257, 0.3271



62.7783, 0.2241, 0.3269



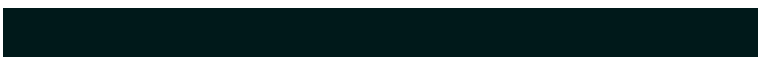
12.2091, 0.1846, 0.1761



9.6225, 0.2986, 0.3288



24.7787, 0.2242, 0.3269



0.7825, 0.2243, 0.3275

Inverse Universe

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



13.2287, 0.3221, 0.1588



22.9132, 0.3225, 0.1550



18.4521, 0.5196, 0.4149



8.6458, 0.3139, 0.3067



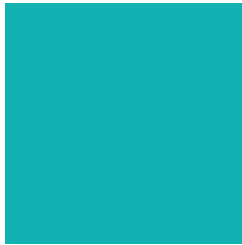
9.0416, 0.3224, 0.1550



0.2848, 0.3220, 0.1547

Previews

White Background



This preview shows how the Yxy color 35.2241, 0.2257, 0.3271 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 35.2241, 0.2257, 0.3271 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

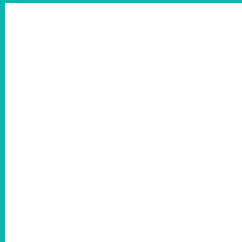
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2241, 0.2257, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 35.2241, 0.2257, 0.3271.

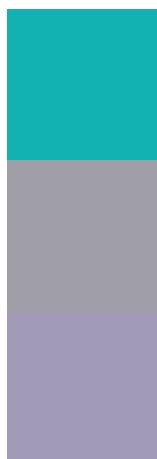


This preview shows how white text looks on a background with the Yxy color 35.2241, 0.2257, 0.3271.

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

35.2241, 0.2257, 0.3271

Protanopia

34.7173, 0.3066, 0.3159

Deuteranopia

34.5848, 0.2939, 0.2882



Tritanopia

35.1696, 0.2218, 0.3044

Trichromacy



Original Color

35.2241, 0.2257, 0.3271



Protanomaly

33.0387, 0.2607, 0.3192



Deuteranomaly

32.8868, 0.2543, 0.2990



Tritanomaly

35.2933, 0.2230, 0.3124

Monochromacy



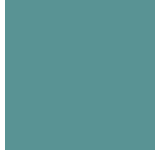
Original Color

35.2241, 0.2257, 0.3271



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.1294, 0.2589, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2241, 0.2257, 0.3271 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(18, 178, 179)` looks like.

```
.text, #text, p{  
    color:rgb(18, 178, 179)  
}
```

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(18, 178, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 178, 179) }
```

Border

The CSS property to change the border of an element to Yxy 35.2241, 0.2257, 0.3271 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(18, 178, 179) }
```

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

```
.border{ border-color:rgb(18, 178, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 178, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 178, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 178, 179);  
box-shadow:4px 4px 4px 4px rgb(18, 178,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2241, 0.2257, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 178, 179) }
```

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

```
.background{ background-color: rgb(18, 178,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor