

Converting Colors

$Yxy(35.3714, 0.2320, 0.3212)$

Have a look what the booklet for
Yxy(35.3714, 0.2320, 0.3212)
contains.

Yxy(35.1991, 0.2317, 0.3205)	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(35.1991, 0.2317, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	37B0B5
RGB	55, 176, 181
RGB Percent	22%, 69%, 71%
CMY	0.7839, 0.3098, 0.2901
CMYK	0.70, 0.03, 0.00, 0.29
HSL	182°, 53%, 46%
HSV	182°, 70%, 71%
XYZ	25.4466, 35.1991, 49.1799
YIQ	140.3910, -73.7210, -24.0970

Conversions

Conversions Part 2

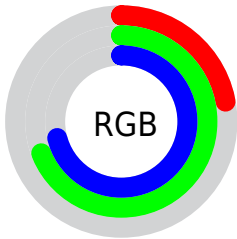
Format	Color
RYB	55, 117, 181
Decimal	3649717
CIELab	65.90, -30.78, -12.24
CIElCh	66, 33.121, 201.687
Yxy	35.1991, 0.2317, 0.3205
Android (android.graphics.Color)	4281839797 (0xFF37B0B5)
YUV	140.3910, 20.0202, -74.8879
Hunter-Lab	59.3288, -27.2654, -7.6175

Details

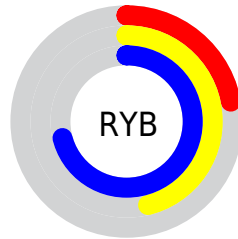
The Yxy color **35.1991, 0.2317, 0.3205** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3476, 0.5371, 0.3354**, and the grayscale version is **26.3386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8207, 0.2469, 0.3227**, and **15.7244, 0.2214, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **34.4961, 0.2266, 0.3192**, and if you desaturate by 10%, it is **36.0938, 0.2387, 0.3218**.

Distribution



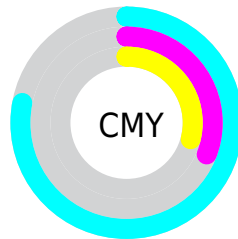
- Red (22%)
- Green (69%)
- Blue (71%)



- Red (22%)
- Yellow (46%)
- Blue (71%)



- Cyan (70%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)





- Cyan (78%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1991, 0.2317, 0.3205 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 35.1991, 0.2317, 0.3205 by changing the saturation by 10% instead.


 35.1991, 0.2317,
0.3205


 35.1991, 0.2317,
0.3205

325.4463, 0.2729,
0.3261

 23.8163, 0.2213,
0.3186


 67.7941, 0.2468,
0.3229


 15.1974, 0.2078,
0.3158


 89.7751, 0.2524,
0.3237


 8.9580, 0.1900,
0.3116


 116.0575, 0.2572,
0.3243

 4.7138, 0.1653,
0.3045

 147.0259, 0.2613,
0.3248

 2.0803, 0.1294,
0.2912

 183.0646, 0.2648,
0.3252

 0.6535, 0.0000,
0.2775

224.5579, 0.2678,

 0.0000, 0.0000,

0.3256

0.0000

271.8904, 0.2705,
0.3259

■ 35.1991, 0.2317,
0.3205

■ 35.1991, 0.2317,
0.3205

■ 34.4961, 0.2266,
0.3192

■ 36.0938, 0.2387,
0.3218

■ 33.9591, 0.2233,
0.3179

■ 37.1947, 0.2476,
0.3232

■ 33.5472, 0.2213,
0.3166

■ 38.5192, 0.2582,
0.3245

■ 33.5300, 0.2213,
0.3165

■ 40.0820, 0.2703,
0.3257

■ 41.8963, 0.2838,
0.3269

■ 43.9746, 0.2982,
0.3280

■ 46.3283, 0.3134,
0.3290

■ 48.9684, 0.3290,
0.3300

■ 51.9051, 0.3448,
0.3308

Harmonies

Analogous

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



35.1991, 0.2637, 0.3716



35.1991, 0.2317, 0.3205



35.1991, 0.2205, 0.2777

Triad

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



35.1991, 0.2317, 0.3205



35.1991, 0.3085, 0.2623



35.1991, 0.3986, 0.4028

Complementary

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



35.1991, 0.2317, 0.3205



13.3476, 0.5371, 0.3354

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.



35.1991, 0.4144, 0.3680



35.1991, 0.2317, 0.3205



35.1991, 0.3602, 0.2904

Square

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



35.1991, 0.2317, 0.3205



35.1991, 0.2619, 0.2488



35.1991, 0.4003, 0.3278



35.1991, 0.3599, 0.4209

Rectangle

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



35.1991, 0.2317, 0.3205



35.1991, 0.2252, 0.2591



35.1991, 0.4003, 0.3278



35.1991, 0.4069, 0.3924

Sweetspot

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



35.2004, 0.2317, 0.3205



74.4013, 0.2813, 0.3267



34.1902, 0.3007, 0.5438



15.8855, 0.2776, 0.3264



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.



35.2004, 0.2317, 0.3205



61.2672, 0.2248, 0.3185



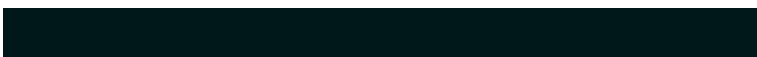
16.1552, 0.2039, 0.2069



9.5722, 0.2986, 0.3280



23.1338, 0.2213, 0.3167



0.7457, 0.2223, 0.3203

Inverse Universe

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



15.7021, 0.3265, 0.1814



24.6403, 0.3290, 0.1664



24.0851, 0.4635, 0.4175



8.6408, 0.3144, 0.3074



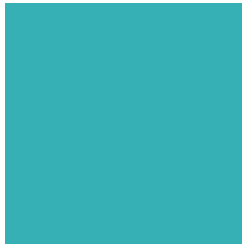
8.8755, 0.3310, 0.1597



0.2811, 0.3280, 0.1580

Previews

White Background



This preview shows how the Yxy color 35.1991, 0.2317, 0.3205 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 35.1991, 0.2317, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

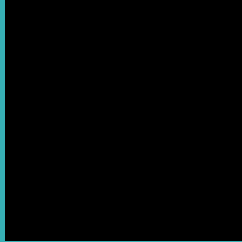
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

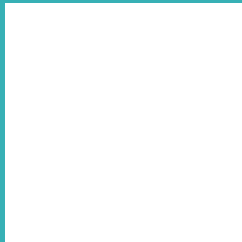
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1991, 0.2317, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 35.1991, 0.2317, 0.3205.

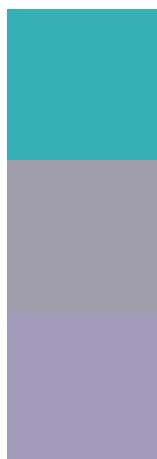


This preview shows how white text looks on a background with the Yxy color 35.1991, 0.2317, 0.3205.

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

35.1991, 0.2317, 0.3205

Protanopia

34.7269, 0.3031, 0.3116

Deuteranopia

34.6692, 0.2922, 0.2855



Tritanopia

35.2947, 0.2289, 0.3063

Trichromacy



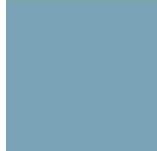
Original Color

35.1991, 0.2317, 0.3205



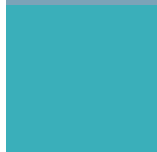
Protanomaly

34.0312, 0.2681, 0.3148



Deuteranomaly

33.8660, 0.2622, 0.2968



Tritanomaly

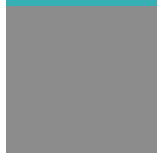
35.1047, 0.2297, 0.3109

Monochromacy



Original Color

35.1991, 0.2317, 0.3205



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.4002, 0.2706, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1991, 0.2317, 0.3205 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(55, 176, 181)` looks like.

```
.text, #text, p{  
    color:rgb(55, 176, 181)  
}
```

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(55, 176, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 176, 181) }
```

Border

The CSS property to change the border of an element to Yxy 35.1991, 0.2317, 0.3205 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(55, 176, 181) }
```

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

```
.border{ border-color:rgb(55, 176, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 176, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 176, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 176, 181);  
box-shadow:4px 4px 4px 4px rgb(55, 176,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1991, 0.2317, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 176, 181) }
```

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

```
.background{ background-color: rgb(55, 176,  
181) }
```

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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