

Converting Colors

$Y_{xy}(35.6982, 0.2285, 0.3064)$

Have a look what the booklet for
Yxy(35.6982, 0.2285, 0.3064)
contains.

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Color

Yxy(35.6982, 0.2285, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	3BB0BE
RGB	59, 176, 190
RGB Percent	23%, 69%, 75%
CMY	0.7685, 0.3098, 0.2550
CMYK	0.69, 0.07, 0.00, 0.25
HSL	186°, 53%, 49%
HSV	186°, 69%, 75%
XYZ	26.6222, 35.6982, 54.1881
YIQ	142.6130, -74.2260, -20.4500

Conversions

Conversions Part 2

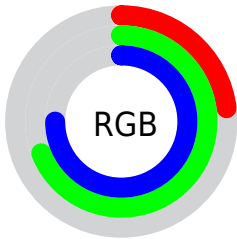
Format	Color
RYB	59, 121, 190
Decimal	3911870
CIELab	66.29, -27.55, -16.62
CIELCh	66, 32.172, 211.097
Yxy	35.6982, 0.2285, 0.3064
Android (android.graphics.Color)	4282101950 (0xFF3BB0BE)
YUV	142.6130, 23.3618, -73.3286
Hunter-Lab	59.7480, -25.0239, -11.9492

Details

The Yxy color **35.6982, 0.2285, 0.3064** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0261, 0.5262, 0.3456**, and the grayscale version is **27.2372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5780, 0.2441, 0.3120**, and **15.9721, 0.2159, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **34.4314, 0.2224, 0.3027**, and if you desaturate by 10%, it is **37.1907, 0.2365, 0.3101**.

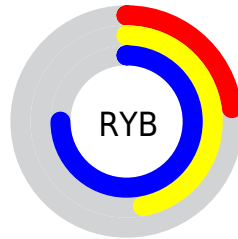
Distribution



Red (23%)

Green (69%)

Blue (75%)



Red (23%)

Yellow (47%)

Blue (75%)

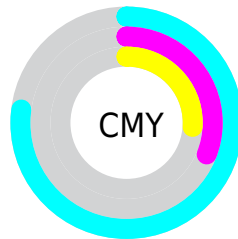


Cyan (69%)

Magenta (7%)

Yellow (0%)

Black (25%)



Cyan (77%)


Magenta (31%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6982, 0.2285, 0.3064 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 35.6982, 0.2285, 0.3064 by changing the saturation by 10% instead.


 35.6982, 0.2285,
0.3064


 35.6982, 0.2285,
0.3064


327.6395, 0.2711,
0.3194


 24.2012, 0.2179,
0.3026


 68.5660, 0.2440,
0.3116


 15.4829, 0.2042,
0.2973


 90.7056, 0.2498,
0.3134


 9.1590, 0.1862,
0.2897


 117.1615, 0.2547,
0.3148

 4.8451, 0.1616,
0.2780

 148.3181, 0.2589,
0.3161

 2.1566, 0.1266,
0.2581

 184.5598, 0.2626,
0.3171

 0.6962, 0.0000,
0.2347

226.2710, 0.2658,

 0.0000, 0.0000,

0.3180

0.0000

273.8361, 0.2686,
0.3188

■ 35.6982, 0.2285,
0.3064

■ 35.6982, 0.2285,
0.3064

■ 34.4314, 0.2224,
0.3027

■ 37.1907, 0.2365,
0.3101

■ 33.3622, 0.2182,
0.2990

■ 38.9255, 0.2463,
0.3137

■ 32.4500, 0.2156,
0.2954

■ 40.9222, 0.2577,
0.3172

■ 32.3553, 0.2153,
0.2950

■ 43.1972, 0.2705,
0.3205

■ 45.7654, 0.2844,
0.3237

■ 48.6408, 0.2991,
0.3266

■ 51.8363, 0.3144,
0.3293

■ 55.3642, 0.3299,
0.3317

■ 59.2359, 0.3454,
0.3339

Harmonies

Analogous

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



35.6982, 0.2536, 0.3549



35.6982, 0.2285, 0.3064



35.6982, 0.2242, 0.2699

Triad

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



35.6982, 0.2285, 0.3064



35.6982, 0.3246, 0.2715



35.6982, 0.3861, 0.4083

Complementary

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



35.6982, 0.2285, 0.3064



16.0261, 0.5262, 0.3456

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.



35.6982, 0.4092, 0.3786



35.6982, 0.2285, 0.3064



35.6982, 0.3728, 0.3023

Square

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



35.6982, 0.2285, 0.3064



35.6982, 0.2764, 0.2535



35.6982, 0.4048, 0.3403



35.6982, 0.3440, 0.4179

Rectangle

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



35.6982, 0.2285, 0.3064



35.6982, 0.2331, 0.2559



35.6982, 0.4048, 0.3403



35.6982, 0.3965, 0.4000

Sweetspot

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



35.6995, 0.2285, 0.3064



81.7829, 0.2809, 0.3229



38.2169, 0.2970, 0.5307



17.6690, 0.2770, 0.3221



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.



35.6995, 0.2285, 0.3064



61.3205, 0.2199, 0.3007



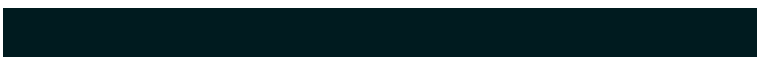
16.1063, 0.2007, 0.1921



10.6309, 0.2985, 0.3265



21.5896, 0.2154, 0.2955



0.8961, 0.2178, 0.3042

Inverse Universe

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



17.2102, 0.3380, 0.1899



26.9577, 0.3442, 0.1752



29.3224, 0.4530, 0.4278



9.6783, 0.3153, 0.3088



9.2092, 0.3494, 0.1698



0.3658, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 35.6982, 0.2285, 0.3064 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 35.6982, 0.2285, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

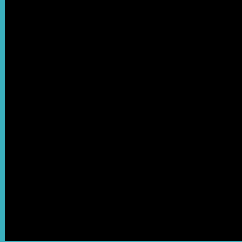
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6982, 0.2285, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 35.6982, 0.2285, 0.3064.

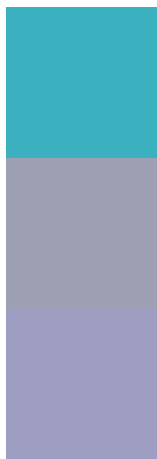


This preview shows how white text looks on a background with the Yxy color 35.6982, 0.2285, 0.3064.

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

35.6982, 0.2285, 0.3064

Protanopia

35.2190, 0.2936, 0.3003

Deuteranopia

35.2781, 0.2824, 0.2775



Tritanopia

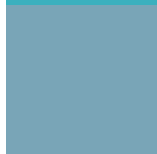
35.6982, 0.2285, 0.3064

Trichromacy



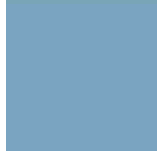
Original Color

35.6982, 0.2285, 0.3064



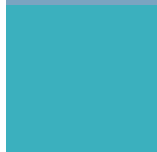
Protanomaly

34.3941, 0.2618, 0.3013



Deuteranomaly

34.5387, 0.2557, 0.2856



Tritanomaly

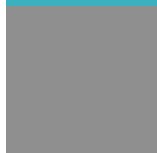
35.6982, 0.2285, 0.3064

Monochromacy



Original Color

35.6982, 0.2285, 0.3064



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.4255, 0.2696, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6982, 0.2285, 0.3064 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(59, 176, 190)` looks like.

```
.text, #text, p{  
    color:rgb(59, 176, 190)  
}
```

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(59, 176, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 176, 190) }
```

Border

The CSS property to change the border of an element to Yxy 35.6982, 0.2285, 0.3064 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(59, 176, 190) }
```

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

```
.border{ border-color:rgb(59, 176, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 176, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 176, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 176, 190);  
box-shadow:4px 4px 4px 4px rgb(59, 176,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6982, 0.2285, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 176, 190) }
```

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

```
.background{ background-color: rgb(59, 176,  
190) }
```

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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