

Converting Colors

$Y_{xy}(35.6434, 0.2222, 0.3046)$

Have a look what the booklet for
Yxy(35.6434, 0.2222, 0.3046)
contains.

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Color

Yxy(35.6434, 0.2222, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	25B1C0
RGB	37, 177, 192
RGB Percent	15%, 69%, 75%
CMY	0.8545, 0.3059, 0.2471
CMYK	0.81, 0.08, 0.00, 0.25
HSL	186°, 68%, 45%
HSV	186°, 81%, 75%
XYZ	26.0012, 35.6434, 55.3725
YIQ	136.8500, -88.2550, -25.0150

Conversions

Conversions Part 2

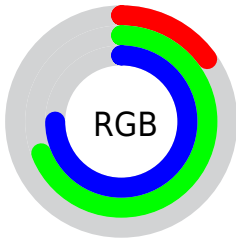
Format	Color
R _Y B	37, 111, 192
Decimal	2470336
CIE Lab	66.25, -29.93, -17.84
CIE LCh	66, 34.842, 210.790
Yxy	35.6434, 0.2222, 0.3046
Android (android.graphics.Color)	4280660416 (0xFF25B1C0)
YUV	136.8500, 27.1890, -87.5684
Hunter-Lab	59.7021, -26.7391, -13.1988

Details

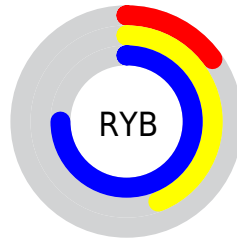
The Yxy color **35.6434, 0.2222, 0.3046** is a dark color, and the websafe version is hex **009999**. The color can be described as middle muted azure. A complement of this color would be **13.8047, 0.5782, 0.3425**, and the grayscale version is **24.8895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4346, 0.2389, 0.3106**, and **16.2794, 0.2154, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **34.6479, 0.2184, 0.3013**, and if you desaturate by 10%, it is **36.8382, 0.2278, 0.3079**.

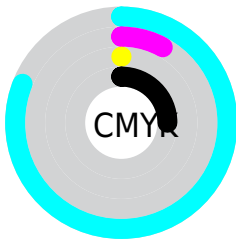
Distribution



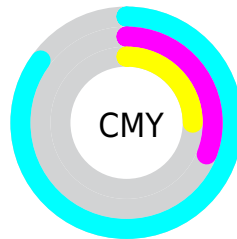
- Red (15%)
- Green (69%)
- Blue (75%)



- Red (15%)
- Yellow (44%)
- Blue (75%)



- Cyan (81%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)




- Cyan (85%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6434, 0.2222, 0.3046 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 35.6434, 0.2222, 0.3046 by changing the saturation by 10% instead.


 35.6434, 0.2222,
0.3046


 35.6434, 0.2222,
0.3046


327.3992, 0.2678,
0.3188


 24.1589, 0.2109,
0.3004


 68.4813, 0.2388,
0.3102


 15.4515, 0.1964,
0.2947


 90.6035, 0.2450,
0.3122


 9.1369, 0.1775,
0.2864


 117.0404, 0.2503,
0.3138

 4.8306, 0.1517,
0.2736

 148.1764, 0.2548,
0.3151

 2.1482, 0.1157,
0.2520

 184.3959, 0.2587,
0.3163

 0.6915, 0.0000,
0.2226

226.0833, 0.2621,

 0.0000, 0.0000,

0.3172

0.0000

273.6229, 0.2651,
0.3180

■ 35.6434, 0.2222,
0.3046

■ 35.6434, 0.2222,
0.3046

■ 34.6479, 0.2184,
0.3013

■ 36.8382, 0.2278,
0.3079

■ 33.8489, 0.2162,
0.2983

■ 38.2542, 0.2353,
0.3113

■ 39.9143, 0.2447,
0.3145

■ 41.8376, 0.2557,
0.3177

■ 44.0411, 0.2682,
0.3208

■ 46.5405, 0.2819,
0.3237

■ 49.3503, 0.2965,
0.3264

■ 52.4838, 0.3117,
0.3288

■ 55.9537, 0.3272,
0.3311

Harmonies

Analogous

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



35.6434, 0.2492, 0.3575



35.6434, 0.2222, 0.3046



35.6434, 0.2175, 0.2652

Triad

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



35.6434, 0.2222, 0.3046



35.6434, 0.3248, 0.2670



35.6434, 0.3921, 0.4143

Complementary

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



35.6434, 0.2222, 0.3046



13.8047, 0.5782, 0.3425

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.



35.6434, 0.4172, 0.3814



35.6434, 0.2222, 0.3046



35.6434, 0.3773, 0.2997

Square

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



35.6434, 0.2222, 0.3046



35.6434, 0.2729, 0.2478



35.6434, 0.4123, 0.3402



35.6434, 0.3466, 0.4258

Rectangle

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



35.6434, 0.2222, 0.3046



35.6434, 0.2269, 0.2503



35.6434, 0.4123, 0.3402



35.6434, 0.4034, 0.4050

Sweetspot

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



35.6447, 0.2222, 0.3046



82.5916, 0.2767, 0.3226



38.3210, 0.2975, 0.5647



17.3717, 0.2718, 0.3216



97.7402, 0.3127, 0.3290



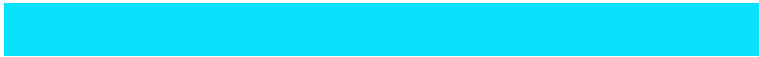
20.4902, 0.3127, 0.3290

Same Dimension

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



35.6447, 0.2222, 0.3046



61.5749, 0.2166, 0.2987



13.6337, 0.1867, 0.1697



11.2564, 0.2984, 0.3267



22.8423, 0.2163, 0.2987



1.0362, 0.2183, 0.3060

Inverse Universe

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



15.7096, 0.3406, 0.1764



25.9833, 0.3465, 0.1690



26.6367, 0.4818, 0.4318



10.2302, 0.3152, 0.3085



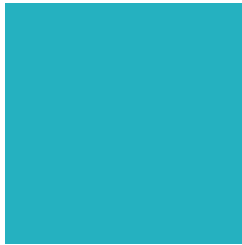
9.5882, 0.3466, 0.1683



0.4193, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 35.6434, 0.2222, 0.3046 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 35.6434, 0.2222, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

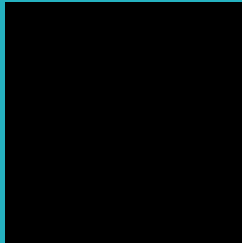
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6434, 0.2222, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 35.6434, 0.2222, 0.3046.

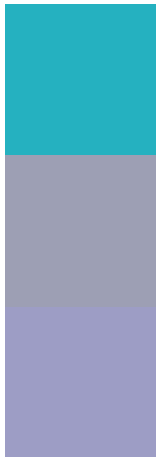


This preview shows how white text looks on a background with the Yxy color 35.6434, 0.2222, 0.3046.

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

35.6434, 0.2222, 0.3046

Protanopia

35.2597, 0.2928, 0.2989

Deuteranopia

35.3133, 0.2792, 0.2735



Tritanopia

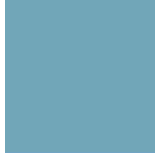
35.5992, 0.2226, 0.3061

Trichromacy



Original Color

35.6434, 0.2222, 0.3046



Protanomaly

34.2438, 0.2558, 0.3010



Deuteranomaly

34.0018, 0.2483, 0.2820



Tritanomaly

35.5992, 0.2226, 0.3061

Monochromacy



Original Color

35.6434, 0.2222, 0.3046



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.6575, 0.2626, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6434, 0.2222, 0.3046 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(37, 177, 192)` looks like.

```
.text, #text, p{  
    color:rgb(37, 177, 192)  
}
```

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(37, 177, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 177, 192) }
```

Border

The CSS property to change the border of an element to Yxy 35.6434, 0.2222, 0.3046 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(37, 177, 192) }
```

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

```
.border{ border-color:rgb(37, 177, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 177, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 177, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 177, 192); box-shadow:4px 4px 4px 4px rgb(37, 177, 192) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6434, 0.2222, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 177, 192) }
```

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

```
.background{ background-color: rgb(37, 177,  
192) }
```

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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