

Converting Colors

$Yxy(36.5352, 0.2189, 0.3068)$

Have a look what the booklet for
Yxy(36.5352, 0.2189, 0.3068)
contains.

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Color

Yxy(36.5698, 0.2188, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	06B4C2
RGB	6, 180, 194
RGB Percent	2%, 71%, 76%
CMY	0.9766, 0.2942, 0.2391
CMYK	0.97, 0.07, 0.00, 0.24
HSL	184°, 94%, 39%
HSV	184°, 97%, 76%
XYZ	26.1315, 36.5698, 56.7298
YIQ	129.5700, -108.1980, -32.5340

Conversions

Conversions Part 2

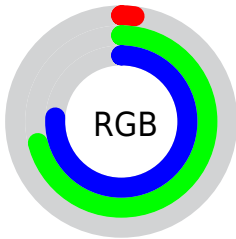
Format	Color
R _Y B	6, 96, 194
Decimal	439490
CIE Lab	66.95, -32.43, -17.91
CIE LCh	67, 37.052, 208.909
Yxy	36.5698, 0.2188, 0.3062
Android (android.graphics.Color)	4278629570 (0xFF06B4C2)
YUV	129.5700, 31.7640, -108.3709
Hunter-Lab	60.4730, -28.6944, -13.2889

Details

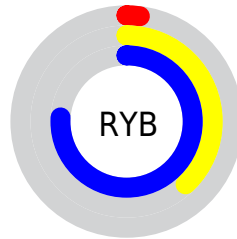
The Yxy color **36.5698, 0.2188, 0.3062** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.9851, 0.6292, 0.3346**, and the grayscale version is **22.0725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7178, 0.2359, 0.3118**, and **17.0722, 0.2168, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **36.3530, 0.2182, 0.3054**, and if you desaturate by 10%, it is **37.3316, 0.2213, 0.3087**.

Distribution



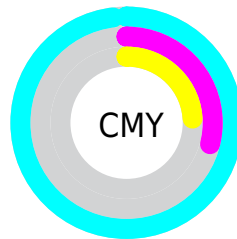
- Red (2%)
- Green (71%)
- Blue (76%)



- Red (2%)
- Yellow (38%)
- Blue (76%)



- Cyan (97%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)





- Cyan (98%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5698, 0.2188, 0.3062 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 36.5698, 0.2188, 0.3062 by changing the saturation by 10% instead.


 36.5698, 0.2188,
0.3062


 36.5698, 0.2188,
0.3062


331.4442, 0.2658,
0.3196


 24.8746, 0.2072,
0.3022


 69.9106, 0.2358,
0.3116

 15.9836, 0.1925,
0.2967


 92.3250, 0.2422,
0.3134


 9.5126, 0.1733,
0.2887


 119.0813, 0.2477,
0.3149

 5.0770, 0.1474,
0.2763

 150.5638, 0.2523,
0.3162

 2.2925, 0.1116,
0.2555

 187.1570, 0.2564,
0.3173

 0.7697, 0.0000,
0.2294

229.2452, 0.2599,

 0.0000, 0.0000,

0.3182

0.0000

277.2128, 0.2631,
0.3189

■ 36.5698, 0.2188,
0.3062

■ 36.5698, 0.2188,
0.3062

■ 36.3530, 0.2182,
0.3054

■ 37.3316, 0.2213,
0.3087

■ 38.2666, 0.2254,
0.3112

■ 39.4095, 0.2315,
0.3138

■ 40.7850, 0.2394,
0.3163

■ 42.4141, 0.2491,
0.3188

■ 44.3156, 0.2605,
0.3212

■ 46.5063, 0.2734,
0.3235

■ 49.0017, 0.2873,
0.3257

■ 51.8163, 0.3021,
0.3277

Harmonies

Analogous

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



36.5698, 0.2483, 0.3627



36.5698, 0.2188, 0.3062



36.5698, 0.2125, 0.2637

Triad

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



36.5698, 0.2188, 0.3062



36.5698, 0.3217, 0.2622



36.5698, 0.3985, 0.4168

Complementary

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



36.5698, 0.2188, 0.3062



11.9851, 0.6292, 0.3346

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.



36.5698, 0.4235, 0.3810



36.5698, 0.2188, 0.3062



36.5698, 0.3777, 0.2956

Square

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



36.5698, 0.2188, 0.3062



36.5698, 0.2677, 0.2433



36.5698, 0.4164, 0.3376



36.5698, 0.3515, 0.4314

Rectangle

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



36.5698, 0.2188, 0.3062



36.5698, 0.2213, 0.2473



36.5698, 0.4164, 0.3376



36.5698, 0.4099, 0.4065

Sweetspot

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



36.5711, 0.2188, 0.3062



83.1828, 0.2700, 0.3229



38.6751, 0.2989, 0.5933



17.8367, 0.2644, 0.3219



0.0000, 0.0000, 0.0000



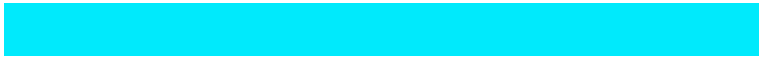
21.4041, 0.3127, 0.3290

Same Dimension

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



36.5711, 0.2188, 0.3062



65.6823, 0.2181, 0.3051



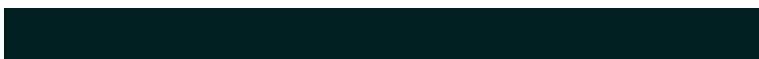
10.8251, 0.1733, 0.1415



11.2956, 0.2984, 0.3272



23.9492, 0.2183, 0.3058



1.0738, 0.2198, 0.3113

Inverse Universe

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



14.8960, 0.3399, 0.1657



26.6979, 0.3410, 0.1652



23.1905, 0.5164, 0.4256



10.2341, 0.3149, 0.3080



9.6999, 0.3404, 0.1649



0.4230, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 36.5698, 0.2188, 0.3062 looks on a white background.

Color Contrast Check

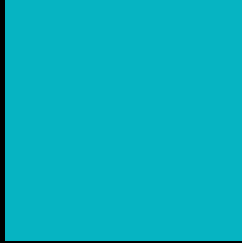
Large Text (above 18pt) WCAG AA × Fail

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 36.5698, 0.2188, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

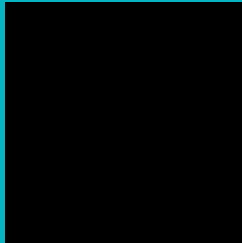
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5698, 0.2188, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 36.5698, 0.2188, 0.3062.



This preview shows how white text looks on a background with the Yxy color 36.5698, 0.2188, 0.3062.

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

36.5763, 0.2188, 0.3063

Protanopia

36.1969, 0.2938, 0.3006

Deuteranopia

35.9482, 0.2794, 0.2727



Tritanopia

36.6472, 0.2187, 0.3047

Trichromacy



Original Color

36.5763, 0.2188, 0.3063



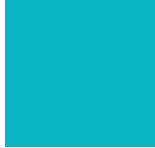
Protanomaly

34.4340, 0.2486, 0.3007



Deuteranomaly

34.1872, 0.2415, 0.2817



Tritanomaly

36.6407, 0.2186, 0.3047

Monochromacy



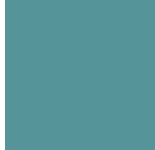
Original Color

36.5763, 0.2188, 0.3063



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.4110, 0.2527, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5698, 0.2188, 0.3062 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(6, 180, 194)` looks like.

```
.text, #text, p{  
    color:rgb(6, 180, 194)  
}
```

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(6, 180, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 180, 194) }
```

Border

The CSS property to change the border of an element to Yxy 36.5698, 0.2188, 0.3062 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(6, 180, 194) }
```

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

```
.border{ border-color:rgb(6, 180, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 180, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 180, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 180, 194);  
box-shadow:4px 4px 4px 4px rgb(6, 180,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5698, 0.2188, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 180, 194) }
```

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

```
.background{ background-color: rgb(6, 180,  
194) }
```

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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