

Converting Colors

$Yxy(36.4370, 0.2214, 0.3068)$

Have a look what the booklet for
Yxy(36.4370, 0.2214, 0.3068)
contains.

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Color

Yxy(36.3517, 0.2212, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	1DB3C1
RGB	29, 179, 193
RGB Percent	11%, 70%, 76%
CMY	0.8860, 0.2980, 0.2432
CMYK	0.85, 0.07, 0.00, 0.24
HSL	185°, 74%, 44%
HSV	185°, 85%, 76%
XYZ	26.2520, 36.3517, 56.0763
YIQ	135.7460, -93.8940, -27.4460

Conversions

Conversions Part 2

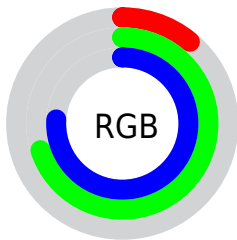
Format	Color
<code>RYB</code>	<code>29, 107, 193</code>
Decimal	<code>1946561</code>
CIELab	<code>66.79, -31.22, -17.58</code>
CIELCh	<code>67, 35.830, 209.375</code>
Yxy	<code>36.3517, 0.2212, 0.3063</code>
Android (<code>android.graphics.Color</code>)	<code>4280136641</code> (<code>0xFF1DB3C1</code>)
YUV	<code>135.7460, 28.2262, -93.6162</code>
Hunter-Lab	<code>60.2924, -27.7906, -12.9394</code>

Details

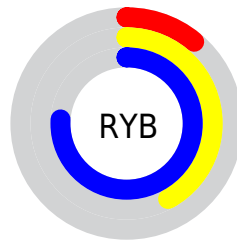
The Yxy color **36.3517, 0.2212, 0.3063** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **13.1557, 0.5960, 0.3397**, and the grayscale version is **24.4466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4444, 0.2380, 0.3119**, and **16.7858, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **35.4979, 0.2183, 0.3034**, and if you desaturate by 10%, it is **37.3920, 0.2259, 0.3092**.

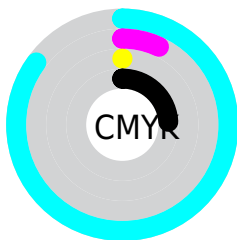
Distribution



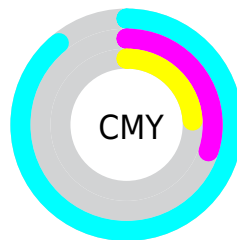
- Red (11%)
- Green (70%)
- Blue (76%)



- Red (11%)
- Yellow (42%)
- Blue (76%)



- Cyan (85%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)





- Cyan (89%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3517, 0.2212, 0.3063 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 36.3517, 0.2212, 0.3063 by changing the saturation by 10% instead.


 36.3517, 0.2212,
0.3063


 36.3517, 0.2212,
0.3063


330.4952, 0.2671,
0.3196


 24.7059, 0.2098,
0.3024


 69.5746, 0.2379,
0.3116


 15.8581, 0.1954,
0.2969


 91.9205, 0.2441,
0.3134

 9.4238, 0.1764,
0.2890


 118.6018, 0.2494,
0.3149

 5.0186, 0.1508,
0.2769

 150.0031, 0.2540,
0.3162

 2.2582, 0.1152,
0.2563

 186.5087, 0.2579,
0.3172

 0.7514, 0.0000,
0.2309

228.5030, 0.2614,

 0.0000, 0.0000,

0.3181

0.0000

276.3703, 0.2644,
0.3189

■ 36.3517, 0.2212,
0.3063

■ 36.3517, 0.2212,
0.3063

■ 35.4979, 0.2183,
0.3034

■ 37.3920, 0.2259,
0.3092

■ 35.1061, 0.2172,
0.3020

■ 38.6433, 0.2324,
0.3121

■ 40.1305, 0.2408,
0.3150

■ 41.8739, 0.2511,
0.3179

■ 43.8915, 0.2629,
0.3206

■ 46.1997, 0.2760,
0.3232

■ 48.8137, 0.2902,
0.3257

■ 51.7474, 0.3051,
0.3280

■ 55.0140, 0.3206,
0.3300

Harmonies

Analogous

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



36.3517, 0.2496, 0.3608



36.3517, 0.2212, 0.3063



36.3517, 0.2154, 0.2653

Triad

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



36.3517, 0.2212, 0.3063



36.3517, 0.3223, 0.2645



36.3517, 0.3955, 0.4147

Complementary

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



36.3517, 0.2212, 0.3063



13.1557, 0.5960, 0.3397

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.



36.3517, 0.4200, 0.3804



36.3517, 0.2212, 0.3063



36.3517, 0.3764, 0.2972

Square

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



36.3517, 0.2212, 0.3063



36.3517, 0.2698, 0.2458



36.3517, 0.4135, 0.3382



36.3517, 0.3497, 0.4281

Rectangle

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



36.3517, 0.2212, 0.3063



36.3517, 0.2242, 0.2495



36.3517, 0.4135, 0.3382



36.3517, 0.4066, 0.4049

Sweetspot

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



36.3530, 0.2212, 0.3063



82.5596, 0.2754, 0.3231



38.5683, 0.2976, 0.5737



17.3864, 0.2706, 0.3222



97.7402, 0.3127, 0.3290



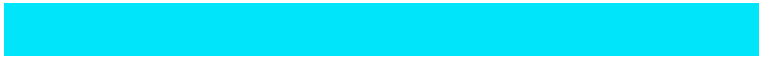
20.4902, 0.3127, 0.3290

Same Dimension

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



36.3530, 0.2212, 0.3063



62.7036, 0.2171, 0.3016



12.7284, 0.1821, 0.1605



11.2767, 0.2984, 0.3270



23.4115, 0.2173, 0.3024



1.0556, 0.2191, 0.3088

Inverse Universe

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



15.4722, 0.3394, 0.1718



25.9394, 0.3440, 0.1669



26.0120, 0.4905, 0.4325



10.2322, 0.3150, 0.3082



9.6456, 0.3433, 0.1665



0.4212, 0.3378, 0.1634

Previews

White Background



This preview shows how the Yxy color 36.3517, 0.2212, 0.3063 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 36.3517, 0.2212, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

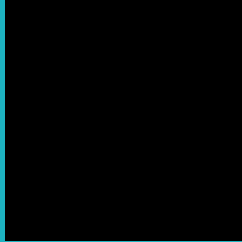
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

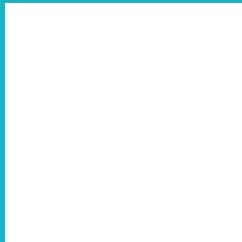
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3517, 0.2212, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 36.3517, 0.2212, 0.3063.



This preview shows how white text looks on a background with the Yxy color 36.3517, 0.2212, 0.3063.

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

36.3517, 0.2212, 0.3063

Protanopia

35.7469, 0.2929, 0.2991

Deuteranopia

35.9019, 0.2802, 0.2740



Tritanopia

36.3665, 0.2213, 0.3063

Trichromacy



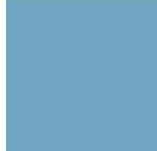
Original Color

36.3517, 0.2212, 0.3063



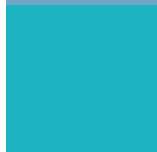
Protanomaly

34.5197, 0.2540, 0.3010



Deuteranomaly

34.7027, 0.2476, 0.2837



Tritanomaly

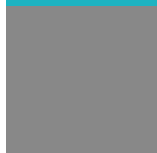
36.3665, 0.2213, 0.3063

Monochromacy



Original Color

36.3517, 0.2212, 0.3063



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.4322, 0.2596, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3517, 0.2212, 0.3063 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(29, 179, 193)` looks like.

```
.text, #text, p{  
    color:rgb(29, 179, 193)  
}
```

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(29, 179, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 179, 193) }
```

Border

The CSS property to change the border of an element to Yxy 36.3517, 0.2212, 0.3063 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(29, 179, 193) }
```

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

```
.border{ border-color:rgb(29, 179, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 179, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 179, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 179, 193);  
box-shadow:4px 4px 4px 4px rgb(29, 179,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3517, 0.2212, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 179, 193) }
```

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

```
.background{ background-color: rgb(29, 179,  
193) }
```

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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