

Converting Colors

$Yxy(38.5602, 0.2204, 0.3063)$

Have a look what the booklet for
Yxy(38.5602, 0.2204, 0.3063)
contains.

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Color

Yxy(38.5524, 0.2205, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	18B8C6
RGB	24, 184, 198
RGB Percent	9%, 72%, 78%
CMY	0.9060, 0.2784, 0.2236
CMYK	0.88, 0.07, 0.00, 0.22
HSL	185°, 78%, 44%
HSV	185°, 88%, 78%
XYZ	27.7080, 38.5524, 59.3993
YIQ	137.7560, -99.8540, -29.5660

Conversions

Conversions Part 2

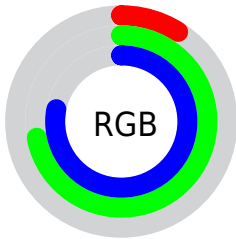
Format	Color
R_YB	24, 107, 198
Decimal	1620166
CIE Lab	68.43, -32.37, -17.86
CIE LCh	68, 36.971, 208.883
Yxy	38.5524, 0.2205, 0.3068
Android (android.graphics.Color)	4279810246 (0xFF18B8C6)
YUV	137.7560, 29.7003, -99.7640
Hunter-Lab	62.0906, -29.0028, -13.2567

Details

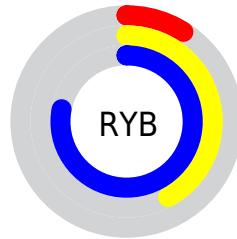
The Yxy color **38.5524, 0.2205, 0.3068** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **13.4526, 0.6069, 0.3382**, and the grayscale version is **25.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7283, 0.2369, 0.3110**, and **17.9789, 0.2163, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **37.7297, 0.2181, 0.3041**, and if you desaturate by 10%, it is **39.5549, 0.2245, 0.3095**.

Distribution



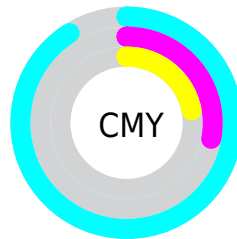
- Red (9%)
- Green (72%)
- Blue (78%)



- Red (9%)
- Yellow (42%)
- Blue (78%)



- Cyan (88%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)




- Cyan (91%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5524, 0.2205, 0.3068 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 38.5524, 0.2205, 0.3068 by changing the saturation by 10% instead.


 38.5524, 0.2205,
0.3068


 38.5524, 0.2205,
0.3068


339.9837, 0.2663,
0.3197

 26.4117, 0.2093,
0.3030


 72.9540, 0.2370,
0.3119


 17.1319, 0.1951,
0.2978


 95.9838, 0.2432,
0.3137


 10.3286, 0.1767,
0.2903


 123.4120, 0.2486,
0.3152

 5.6174, 0.1520,
0.2788

 155.6230, 0.2531,
0.3164

 2.6138, 0.1179,
0.2597

 193.0013, 0.2571,
0.3175

 0.9336, 0.0243,
0.2354

235.9313, 0.2605,

 0.0000, 0.0000,

0.3183

0.0000

284.7973, 0.2636,
0.3191

■ 38.5524, 0.2205,
0.3068

■ 38.5524, 0.2205,
0.3068

■ 37.7297, 0.2181,
0.3041

■ 39.5549, 0.2245,
0.3095

■ 37.5656, 0.2177,
0.3036

■ 40.7722, 0.2304,
0.3123

■ 42.2318, 0.2383,
0.3150

■ 43.9565, 0.2479,
0.3177

■ 45.9660, 0.2592,
0.3203

■ 48.2782, 0.2720,
0.3228

■ 50.9097, 0.2859,
0.3252

■ 53.8756, 0.3006,
0.3274

■ 57.1902, 0.3160,
0.3294

Harmonies

Analogous

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



38.5524, 0.2496, 0.3621



38.5524, 0.2205, 0.3068



38.5524, 0.2143, 0.2650

Triad

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



38.5524, 0.2205, 0.3068



38.5524, 0.3215, 0.2634



38.5524, 0.3970, 0.4152

Complementary

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



38.5524, 0.2205, 0.3068



13.4526, 0.6069, 0.3382

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.



38.5524, 0.4214, 0.3802



38.5524, 0.2205, 0.3068



38.5524, 0.3764, 0.2962

Square

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



38.5524, 0.2205, 0.3068



38.5524, 0.2686, 0.2447



38.5524, 0.4143, 0.3375



38.5524, 0.3509, 0.4293

Rectangle

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



38.5524, 0.2205, 0.3068



38.5524, 0.2229, 0.2489



38.5524, 0.4143, 0.3375



38.5524, 0.4082, 0.4052

Sweetspot

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



38.5538, 0.2205, 0.3068



86.1686, 0.2740, 0.3232



40.7013, 0.2984, 0.5817



18.1156, 0.2693, 0.3224



0.0000, 0.0000, 0.0000



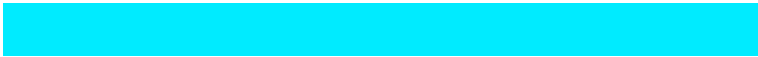
21.4041, 0.3127, 0.3290

Same Dimension

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



38.5538, 0.2205, 0.3068



66.3573, 0.2176, 0.3032



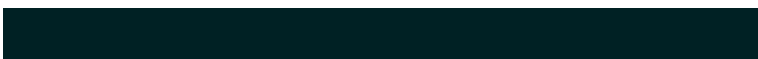
13.2649, 0.1804, 0.1588



11.9161, 0.2984, 0.3271



24.4921, 0.2178, 0.3039



1.2039, 0.2193, 0.3095

Inverse Universe

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



16.1168, 0.3391, 0.1694



27.2300, 0.3426, 0.1661



26.1311, 0.5004, 0.4290



10.8014, 0.3150, 0.3080



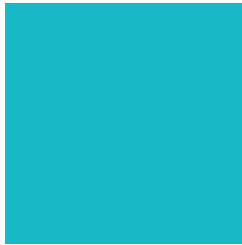
10.0125, 0.3420, 0.1658



0.4786, 0.3371, 0.1631

Previews

White Background



This preview shows how the Yxy color 38.5524, 0.2205, 0.3068 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 38.5524, 0.2205, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

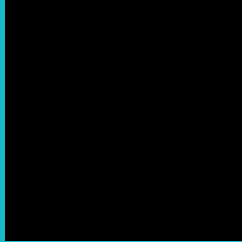
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

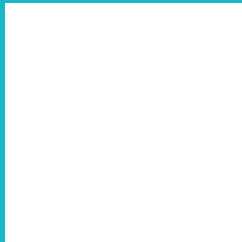
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5524, 0.2205, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 38.5524, 0.2205, 0.3068.



This preview shows how white text looks on a background with the Yxy color 38.5524, 0.2205, 0.3068.

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

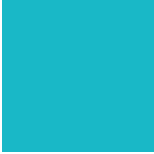
38.5524, 0.2205, 0.3068

Protanopia

37.8402, 0.2942, 0.2998

Deuteranopia

37.9390, 0.2801, 0.2739



Tritanopia

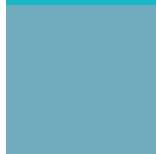
38.6112, 0.2202, 0.3053

Trichromacy



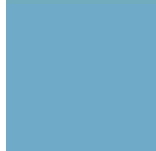
Original Color

38.5524, 0.2205, 0.3068



Protanomaly

36.2883, 0.2525, 0.3001



Deuteranomaly

36.4112, 0.2457, 0.2831



Tritanomaly

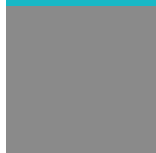
38.6112, 0.2202, 0.3053

Monochromacy



Original Color

38.5524, 0.2205, 0.3068



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.5221, 0.2582, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5524, 0.2205, 0.3068 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(24, 184, 198)` looks like.

```
.text, #text, p{  
    color:rgb(24, 184, 198)  
}
```

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(24, 184, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 184, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.5524, 0.2205, 0.3068 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(24, 184, 198) }
```

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

```
.border{ border-color:rgb(24, 184, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 184, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 184, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 184, 198);  
box-shadow:4px 4px 4px 4px rgb(24, 184,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5524, 0.2205, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 184, 198) }
```

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

```
.background{ background-color: rgb(24, 184,  
198) }
```

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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