

Converting Colors

$Yxy(38.3804, 0.2228, 0.3015)$

Have a look what the booklet for
Yxy(38.3804, 0.2228, 0.3015)
contains.

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Color

Yxy(38.2069, 0.2227, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	2EB6C8
RGB	46, 182, 200
RGB Percent	18%, 71%, 78%
CMY	0.8187, 0.2863, 0.2157
CMYK	0.77, 0.09, 0.00, 0.22
HSL	187°, 62%, 48%
HSV	187°, 77%, 78%
XYZ	28.2868, 38.2069, 60.5239
YIQ	143.3880, -86.8340, -23.2340

Conversions

Conversions Part 2

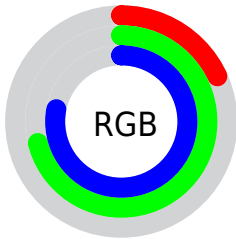
Format	Color
RYB	46, 118, 200
Decimal	3061448
CIELab	68.17, -28.99, -19.32
CIELCh	68, 34.837, 213.680
Yxy	38.2069, 0.2227, 0.3008
Android (android.graphics.Color)	4281251528 (0xFF2EB6C8)
YUV	143.3880, 27.9097, -85.4093
Hunter-Lab	61.8117, -26.4838, -14.7865

Details

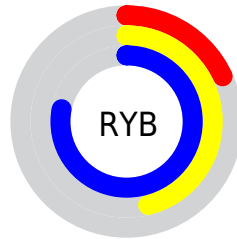
The Yxy color **38.2069, 0.2227, 0.3008** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.1713, 0.5604, 0.3464**, and the grayscale version is **27.5701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1510, 0.2395, 0.3087**, and **17.7758, 0.2146, 0.2926** is the 20% darker color. If you saturate the color by 10%, you get **36.8936, 0.2180, 0.2967**, and if you desaturate by 10%, it is **39.7556, 0.2293, 0.3049**.

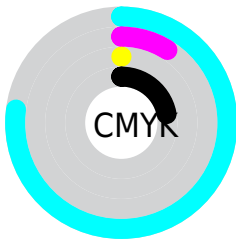
Distribution



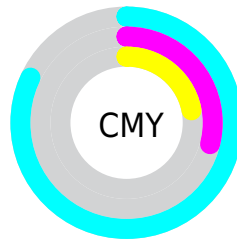
- Red (18%)
- Green (71%)
- Blue (78%)



- Red (18%)
- Yellow (46%)
- Blue (78%)



- Cyan (77%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)





- Cyan (82%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2069, 0.2227, 0.3008 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 38.2069, 0.2227, 0.3008 by changing the saturation by 10% instead.


 38.2069, 0.2227,
0.3008


 38.2069, 0.2227,
0.3008


338.5067, 0.2675,
0.3167


 26.1433, 0.2117,
0.2963

 72.4252, 0.2388,
0.3070


 16.9309, 0.1978,
0.2902


 95.3486, 0.2450,
0.3092


 10.1852, 0.1798,
0.2815


 122.6608, 0.2501,
0.3110

 5.5219, 0.1555,
0.2685

 154.7461, 0.2546,
0.3125

 2.5566, 0.1218,
0.2474

 191.9890, 0.2585,
0.3138

 0.9049, 0.0367,
0.2183

234.7738, 0.2618,

 0.0000, 0.0000,

0.3149

0.0000

283.4849, 0.2648,
0.3159

■ 38.2069, 0.2227,
0.3008

■ 38.2069, 0.2227,
0.3008

■ 36.8936, 0.2180,
0.2967

■ 39.7556, 0.2293,
0.3049

■ 35.7759, 0.2151,
0.2927

■ 41.5620, 0.2378,
0.3090

■ 35.4476, 0.2143,
0.2915

■ 43.6504, 0.2480,
0.3129

■ 46.0410, 0.2599,
0.3168

■ 48.7520, 0.2730,
0.3204

■ 51.8003, 0.2872,
0.3238

■ 55.2013, 0.3022,
0.3270

■ 58.9696, 0.3175,
0.3299

■ 63.1190, 0.3331,
0.3325

Harmonies

Analogous

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



38.2069, 0.2472, 0.3518



38.2069, 0.2227, 0.3008



38.2069, 0.2202, 0.2640

Triad

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



38.2069, 0.2227, 0.3008



38.2069, 0.3298, 0.2708



38.2069, 0.3868, 0.4146

Complementary

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



38.2069, 0.2227, 0.3008



16.1713, 0.5604, 0.3464

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.



38.2069, 0.4137, 0.3841



38.2069, 0.2227, 0.3008



38.2069, 0.3802, 0.3040

Square

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



38.2069, 0.2227, 0.3008



38.2069, 0.2783, 0.2506



38.2069, 0.4119, 0.3441



38.2069, 0.3411, 0.4229

Rectangle

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



38.2069, 0.2227, 0.3008



38.2069, 0.2308, 0.2507



38.2069, 0.4119, 0.3441



38.2069, 0.3985, 0.4062

Sweetspot

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



38.2083, 0.2227, 0.3008



86.2191, 0.2780, 0.3216



42.2648, 0.2958, 0.5502



18.0558, 0.2729, 0.3204



0.0000, 0.0000, 0.0000



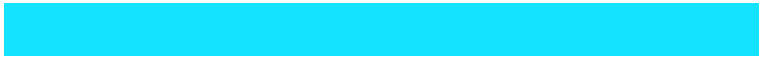
21.4041, 0.3127, 0.3290

Same Dimension

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



38.2083, 0.2227, 0.3008



62.6016, 0.2160, 0.2941



14.8948, 0.1886, 0.1689



11.8473, 0.2984, 0.3262



22.6255, 0.2145, 0.2920



1.1329, 0.2168, 0.3004

Inverse Universe

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



17.6279, 0.3435, 0.1822



27.3499, 0.3504, 0.1729



31.5431, 0.4681, 0.4363



10.7944, 0.3155, 0.3088



9.8240, 0.3525, 0.1716



0.4714, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 38.2069, 0.2227, 0.3008 looks on a white background.

Color Contrast Check

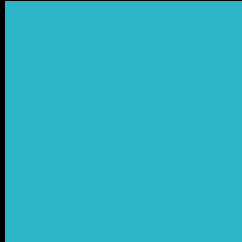
Large Text (above 18pt) WCAG AA × Fail

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 38.2069, 0.2227, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

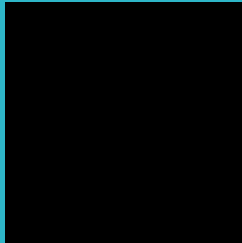
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2069, 0.2227, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 38.2069, 0.2227, 0.3008.

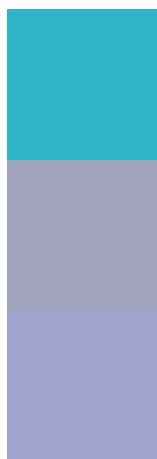


This preview shows how white text looks on a background with the Yxy color 38.2069, 0.2227, 0.3008.

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

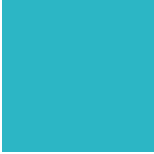
38.2069, 0.2227, 0.3008

Protanopia

37.7588, 0.2901, 0.2956

Deuteranopia

37.8255, 0.2770, 0.2712



Tritanopia

38.0226, 0.2235, 0.3052

Trichromacy



Original Color

38.2069, 0.2227, 0.3008



Protanomaly

36.8535, 0.2558, 0.2976



Deuteranomaly

36.6097, 0.2486, 0.2794



Tritanomaly

38.0910, 0.2233, 0.3038

Monochromacy



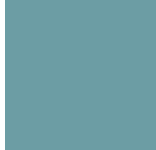
Original Color

38.2069, 0.2227, 0.3008



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.9824, 0.2639, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2069, 0.2227, 0.3008 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(46, 182, 200)` looks like.

```
.text, #text, p{  
    color:rgb(46, 182, 200)  
}
```

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(46, 182, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 182, 200) }
```

Border

The CSS property to change the border of an element to Yxy 38.2069, 0.2227, 0.3008 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(46, 182, 200) }
```

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

```
.border{ border-color:rgb(46, 182, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 182, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 182, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 182, 200);  
box-shadow:4px 4px 4px 4px rgb(46, 182,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2069, 0.2227, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 182, 200) }
```

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

```
.background{ background-color: rgb(46, 182,  
200) }
```

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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