

Converting Colors

$Yxy(35.5436, 0.1898, 0.3008)$

Have a look what the booklet for
Yxy(35.5436, 0.1898, 0.3008)
contains.

Yxy(38.0371, 0.2172, 0.3020)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(38.0371, 0.2172, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	00B7C8
RGB	0, 183, 200
RGB Percent	0%, 72%, 78%
CMY	1.0000, 0.2823, 0.2156
CMYK	1.00, 0.09, 0.00, 0.22
HSL	185°, 100%, 39%
HSV	185°, 100%, 78%
XYZ	27.3565, 38.0371, 60.5571
YIQ	130.2210, -114.5250, -33.5090

Conversions

Conversions Part 2

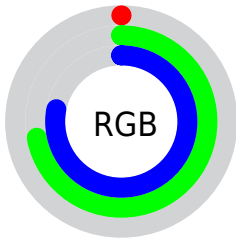
Format	Color
RYB	0, 96, 200
Decimal	47048
CIELab	68.05, -32.15, -19.56
CIELCh	68, 37.636, 211.320
Yxy	38.0371, 0.2172, 0.3020
Android (android.graphics.Color)	4278237128 (0xFF00B7C8)
YUV	130.2210, 34.4010, -114.2038
Hunter-Lab	61.6742, -28.7537, -15.0441

Details

The Yxy color **38.0371, 0.2172, 0.3020** 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 **12.6839, 0.6341, 0.3347**, and the grayscale version is **22.3142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8366, 0.2350, 0.3097**, and **17.7758, 0.2146, 0.2926** is the 20% darker color. If you saturate the color by 10%, you get **38.0412, 0.2172, 0.3020**, and if you desaturate by 10%, it is **38.8962, 0.2195, 0.3049**.

Distribution



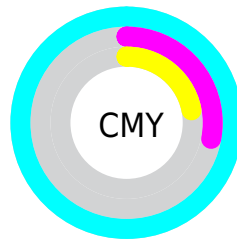
- Red (0%)
- Green (72%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0371, 0.2172, 0.3020 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 38.0371, 0.2172, 0.3020 by changing the saturation by 10% instead.

 38.0371, 0.2172,
0.3020


 38.0371, 0.2172,
0.3020


337.7791, 0.2646,
0.3175


 26.0115, 0.2056,
0.2975


 72.1650, 0.2343,
0.3081


 16.8322, 0.1910,
0.2914

 95.0361, 0.2407,
0.3103

 10.1149, 0.1721,
0.2827


 122.2911, 0.2462,
0.3120

 5.4752, 0.1468,
0.2695

 154.3144, 0.2509,
0.3135

 2.5287, 0.1122,
0.2479

 191.4905, 0.2550,
0.3147

 0.8910, 0.0153,
0.2202

234.2037, 0.2586,

 0.0000, 0.0000,

0.3158

0.0000

282.8385, 0.2618,
0.3167

■ 38.0371, 0.2172,
0.3020

■ 38.0371, 0.2172,
0.3020

■ 38.0412, 0.2172,
0.3020

■ 38.8962, 0.2195,
0.3049

■ 39.9135, 0.2232,
0.3077

■ 41.1464, 0.2288,
0.3107

■ 42.6233, 0.2362,
0.3136

■ 44.3679, 0.2456,
0.3165

■ 46.4011, 0.2566,
0.3193

■ 48.7417, 0.2691,
0.3219

■ 51.4068, 0.2828,
0.3245

■ 54.4123, 0.2975,
0.3268

Harmonies

Analogous

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



38.0371, 0.2449, 0.3581



38.0371, 0.2172, 0.3020



38.0371, 0.2128, 0.2610

Triad

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



38.0371, 0.2172, 0.3020



38.0371, 0.3263, 0.2643



38.0371, 0.3956, 0.4192

Complementary

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



38.0371, 0.2172, 0.3020



12.6839, 0.6341, 0.3347

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.



38.0371, 0.4228, 0.3845



38.0371, 0.2172, 0.3020



38.0371, 0.3819, 0.2987

Square

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



38.0371, 0.2172, 0.3020



38.0371, 0.2715, 0.2440



38.0371, 0.4185, 0.3411



38.0371, 0.3472, 0.4315

Rectangle

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



38.0371, 0.2172, 0.3020



38.0371, 0.2228, 0.2458



38.0371, 0.4185, 0.3411



38.0371, 0.4077, 0.4093

Sweetspot

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



38.0412, 0.2172, 0.3020



84.1821, 0.2685, 0.3218



41.3587, 0.2986, 0.5949



17.6354, 0.2630, 0.3207



0.0000, 0.0000, 0.0000



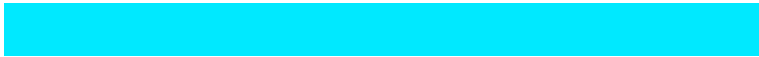
21.4041, 0.3127, 0.3290

Same Dimension

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



38.0412, 0.2172, 0.3020



65.6721, 0.2171, 0.3016



10.4103, 0.1695, 0.1303



11.9072, 0.2984, 0.3270



24.2468, 0.2173, 0.3024



1.1947, 0.2190, 0.3084

Inverse Universe

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



15.7017, 0.3437, 0.1667



27.1608, 0.3440, 0.1669



24.9307, 0.5171, 0.4276



10.8005, 0.3150, 0.3081



9.9877, 0.3433, 0.1665



0.4776, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 38.0371, 0.2172, 0.3020 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 38.0371, 0.2172, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

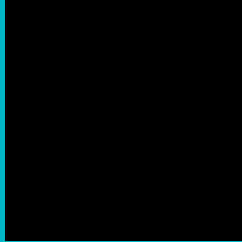
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0371, 0.2172, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 38.0371, 0.2172, 0.3020.



This preview shows how white text looks on a background with the Yxy color 38.0371, 0.2172, 0.3020.

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

38.0371, 0.2172, 0.3020

Protanopia

37.3593, 0.2908, 0.2955

Deuteranopia

37.3711, 0.2761, 0.2697

Trichromacy



Original Color

38.0371, 0.2172, 0.3020

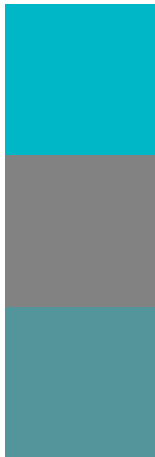
Protanomaly

35.3800, 0.2449, 0.2951

Deuteranomaly

35.5125, 0.2384, 0.2781

Monochromacy



Original Color

38.0371, 0.2172, 0.3020

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.7004, 0.2503, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0371, 0.2172, 0.3020 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(0, 183, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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(0, 183, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 200) }
```

Border

The CSS property to change the border of an element to Yxy 38.0371, 0.2172, 0.3020 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(0, 183, 200) }
```

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

```
.border{ border-color:rgb(0, 183, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
200) }
```

Background

The CSS property to change the background color of an element to Yxy 38.0371, 0.2172, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 200) }
```

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

```
.background{ background-color: rgb(0, 183,  
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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