

Converting Colors

$Yxy(49.9351, 0.2016, 0.3073)$

Have a look what the booklet for
Yxy(49.9351, 0.2016, 0.3073)
contains.

Yxy(52.0795, 0.2189, 0.3079)	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>	30

Color

Yxy(52.0795, 0.2189, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	01D3E2
RGB	1, 211, 226
RGB Percent	0%, 83%, 89%
CMY	0.9972, 0.1726, 0.1138
CMYK	1.00, 0.07, 0.00, 0.11
HSL	184°, 99%, 44%
HSV	184°, 100%, 89%
XYZ	37.0257, 52.0795, 80.0390
YIQ	149.9200, -129.9750, -39.8550

Conversions

Conversions Part 2

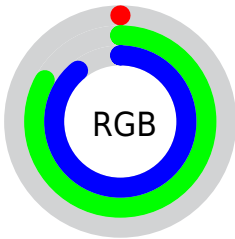
Format	Color
RYB	1, 110, 226
Decimal	119778
CIELab	77.33, -37.11, -19.59
CIELCh	77, 41.963, 207.828
Yxy	52.0795, 0.2189, 0.3079
Android (android.graphics.Color)	4278309858 (0xFF01D3E2)
YUV	149.9200, 37.5074, -130.6028
Hunter-Lab	72.1661, -34.7092, -15.2419

Details

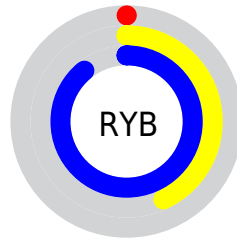
The Yxy color **52.0795, 0.2189, 0.3079** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.5289, 0.6357, 0.3331**, and the grayscale version is **30.3012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **26.7172, 0.2171, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **52.0537, 0.2189, 0.3078**, and if you desaturate by 10%, it is **53.0130, 0.2208, 0.3101**.

Distribution



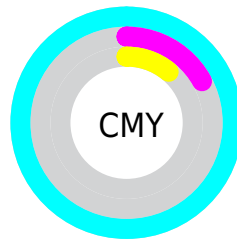
- Red (0%)
- Green (83%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0795, 0.2189, 0.3079 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 52.0795, 0.2189, 0.3079 by changing the saturation by 10% instead.


 52.0795, 0.2189,
0.3079


 52.0795, 0.2189,
0.3079


 394.7434, 0.2631,
0.3198


 37.0684, 0.2087,
0.3046


 93.2485, 0.2343,
0.3125

 25.2605, 0.1962,
0.3002


 120.1752, 0.2403,
0.3141


 16.2712, 0.1804,
0.2942


 151.8426, 0.2455,
0.3155

 9.7163, 0.1599,
0.2854

 188.6350, 0.2499,
0.3166

 5.2113, 0.1329,
0.2718

 230.9369, 0.2538,
0.3176

 2.3717, 0.0966,
0.2492

 279.1327, 0.2573,

 0.8113, 0.0000,

0.3185

0.2179

333.6068, 0.2604,
0.3192

■ 0.0000, 0.0000,
0.0000

■ 52.0795, 0.2189,
0.3079

■ 52.0795, 0.2189,
0.3079

■ 52.0537, 0.2189,
0.3078

■ 53.0130, 0.2208,
0.3101

■ 54.1633, 0.2243,
0.3124

■ 55.5961, 0.2296,
0.3146

■ 57.3497, 0.2369,
0.3169

■ 59.4562, 0.2460,
0.3192

■ 61.9437, 0.2569,
0.3214

■ 64.8374, 0.2694,
0.3235

■ 68.1605, 0.2831,
0.3255

■ 71.9342, 0.2978,
0.3273

Harmonies

Analogous

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



52.0795, 0.2493, 0.3650



52.0795, 0.2189, 0.3079



52.0795, 0.2117, 0.2644

Triad

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



52.0795, 0.2189, 0.3079



52.0795, 0.3196, 0.2609



52.0795, 0.4004, 0.4163

Complementary

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



52.0795, 0.2189, 0.3079



16.5289, 0.6357, 0.3331

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.



52.0795, 0.4245, 0.3798



52.0795, 0.2189, 0.3079



52.0795, 0.3763, 0.2940

Square

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



52.0795, 0.2189, 0.3079



52.0795, 0.2657, 0.2424



52.0795, 0.4162, 0.3360



52.0795, 0.3536, 0.4321

Rectangle

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



52.0795, 0.2189, 0.3079



52.0795, 0.2200, 0.2475



52.0795, 0.4162, 0.3360



52.0795, 0.4116, 0.4057

Sweetspot

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



52.0814, 0.2189, 0.3079



85.0602, 0.2687, 0.3234



54.4143, 0.2993, 0.5973



17.8488, 0.2633, 0.3225



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.



52.0814, 0.2189, 0.3079



68.3905, 0.2188, 0.3077



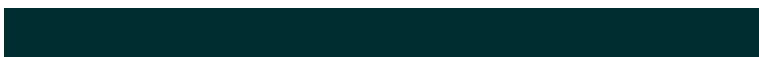
15.0127, 0.1722, 0.1398



15.4080, 0.2982, 0.3274



29.7714, 0.2189, 0.3082



2.1113, 0.2199, 0.3116

Inverse Universe

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



20.8842, 0.3385, 0.1639



27.4352, 0.3387, 0.1640



30.7353, 0.5273, 0.4193



13.9191, 0.3148, 0.3074



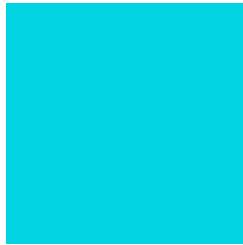
11.9135, 0.3383, 0.1637



0.8306, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 52.0795, 0.2189, 0.3079 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 52.0795, 0.2189, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

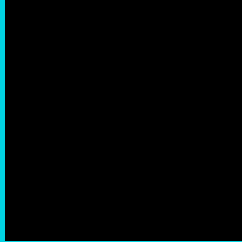
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

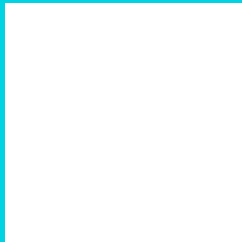
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.0795, 0.2189, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 52.0795, 0.2189, 0.3079.

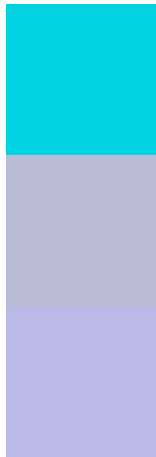


This preview shows how white text looks on a background with the Yxy color 52.0795, 0.2189, 0.3079.

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

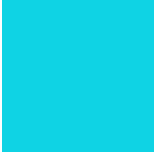
52.0860, 0.2189, 0.3079

Protanopia

51.1087, 0.2941, 0.3007

Deuteranopia

51.0889, 0.2803, 0.2733



Tritanopia

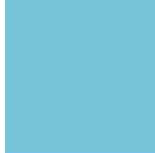
52.2915, 0.2189, 0.3053

Trichromacy



Original Color

52.0860, 0.2189, 0.3079



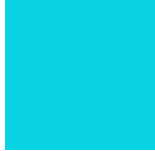
Protanomaly

48.3597, 0.2479, 0.3017



Deuteranomaly

48.2187, 0.2403, 0.2813



Tritanomaly

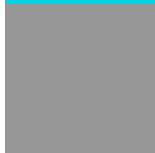
52.1991, 0.2190, 0.3066

Monochromacy



Original Color

52.0860, 0.2189, 0.3079



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.2062, 0.2504, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0795, 0.2189, 0.3079 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(1, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(1, 211, 226)  
}
```

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(1, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 211, 226) }
```

Border

The CSS property to change the border of an element to Yxy 52.0795, 0.2189, 0.3079 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(1, 211, 226) }
```

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

```
.border{ border-color:rgb(1, 211, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 211, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(1, 211,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0795, 0.2189, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 211, 226) }
```

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

```
.background{ background-color: rgb(1, 211,  
226) }
```

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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