

Converting Colors

$Y_{xy}(50.0321, 0.1953, 0.3092)$

Have a look what the booklet for
Yxy(50.0321, 0.1953, 0.3092)
contains.

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Color

Yxy(53.0795, 0.2197, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	01D5E2
RGB	1, 213, 226
RGB Percent	0%, 84%, 89%
CMY	0.9954, 0.1648, 0.1137
CMYK	0.99, 0.06, 0.00, 0.11
HSL	183°, 99%, 45%
HSV	183°, 99%, 89%
XYZ	37.5332, 53.0795, 80.2257
YIQ	151.0940, -130.5250, -40.9010

Conversions

Conversions Part 2

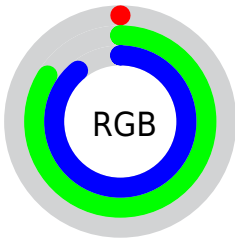
Format	Color
RYB	1, 110, 226
Decimal	120290
CIELab	77.92, -38.01, -18.71
CIELCh	78, 42.362, 206.205
Yxy	53.0795, 0.2197, 0.3107
Android (android.graphics.Color)	4278310370 (0xFF01D5E2)
YUV	151.0940, 36.9287, -131.6324
Hunter-Lab	72.8557, -35.5392, -14.2888

Details

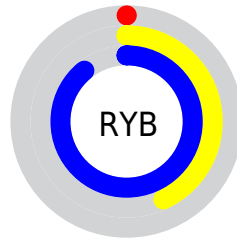
The Yxy color **53.0795, 0.2197, 0.3107** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.4927, 0.6360, 0.3326**, and the grayscale version is **30.8916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **27.3940, 0.2181, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **53.0395, 0.2196, 0.3106**, and if you desaturate by 10%, it is **53.9266, 0.2216, 0.3126**.

Distribution



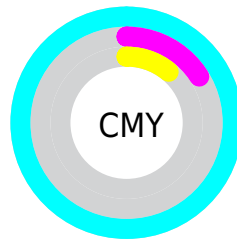
- Red (0%)
- Green (84%)
- Blue (89%)



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



- Cyan (99%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0795, 0.2197, 0.3107 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 53.0795, 0.2197, 0.3107 by changing the saturation by 10% instead.


 53.0795, 0.2197,
0.3107


 53.0795, 0.2197,
0.3107


398.5901, 0.2635,
0.3212


 37.8662, 0.2097,
0.3078

 94.7213, 0.2349,
0.3148


 25.8789, 0.1973,
0.3038


 121.9187, 0.2409,
0.3162

 16.7331, 0.1817,
0.2984


 153.8796, 0.2460,
0.3174

 10.0444, 0.1615,
0.2904

 190.9883, 0.2504,
0.3184

 5.4284, 0.1349,
0.2780

 233.6293, 0.2542,
0.3193

 2.5007, 0.0991,
0.2572

282.1870, 0.2577,

 0.8770, 0.0000,

0.3200

0.2302

337.0458, 0.2607,
0.3206

0.0000, 0.0000,
0.0000

53.0795, 0.2197,
0.3107

53.0795, 0.2197,
0.3107

53.0395, 0.2196,
0.3106

53.9266, 0.2216,
0.3126

54.9914, 0.2250,
0.3146

56.3381, 0.2302,
0.3165

58.0047, 0.2374,
0.3185

60.0232, 0.2465,
0.3205

■ 62.4216, 0.2573,
0.3224

■ 65.2253, 0.2697,
0.3242

■ 68.4571, 0.2834,
0.3260

■ 72.1384, 0.2981,
0.3276

Harmonies

Analogous

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



53.0795, 0.2514, 0.3682



53.0795, 0.2197, 0.3107



53.0795, 0.2112, 0.2661

Triad

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



53.0795, 0.2197, 0.3107



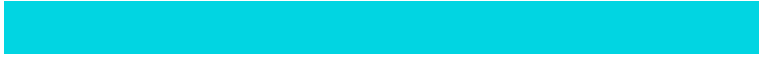
53.0795, 0.3164, 0.2593



53.0795, 0.4027, 0.4150

Complementary

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



53.0795, 0.2197, 0.3107



16.4927, 0.6360, 0.3326

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.



53.0795, 0.4253, 0.3776



53.0795, 0.2197, 0.3107



53.0795, 0.3736, 0.2918

Square

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



53.0795, 0.2197, 0.3107



53.0795, 0.2630, 0.2417



53.0795, 0.4150, 0.3336



53.0795, 0.3566, 0.4324

Rectangle

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



53.0795, 0.2197, 0.3107



53.0795, 0.2187, 0.2482



53.0795, 0.4150, 0.3336



53.0795, 0.4134, 0.4040

Sweetspot

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



53.0814, 0.2197, 0.3107



85.4694, 0.2688, 0.3241



54.4340, 0.2993, 0.5972



17.9484, 0.2634, 0.3233



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.



53.0814, 0.2197, 0.3107



69.6751, 0.2196, 0.3105



15.0714, 0.1724, 0.1402



15.4292, 0.2982, 0.3276



30.3171, 0.2197, 0.3109



2.1434, 0.2205, 0.3139

Inverse Universe

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



20.9996, 0.3361, 0.1627



27.5649, 0.3363, 0.1626



30.7989, 0.5269, 0.4195



13.9212, 0.3147, 0.3072



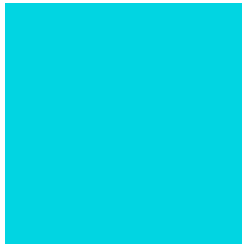
11.9686, 0.3359, 0.1624



0.8338, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 53.0795, 0.2197, 0.3107 looks on a white background.

Color Contrast Check

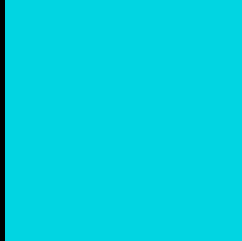
Large Text (above 18pt) WCAG AA × Fail

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 53.0795, 0.2197, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

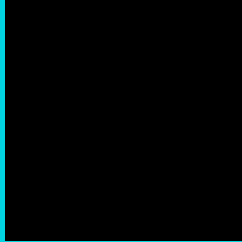
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.0795, 0.2197, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 53.0795, 0.2197, 0.3107.

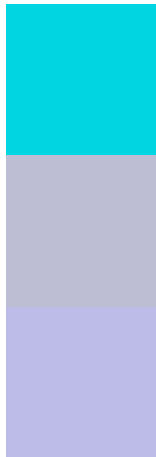


This preview shows how white text looks on a background with the Yxy color 53.0795, 0.2197, 0.3107.

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

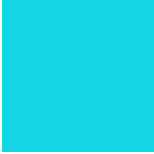
53.0859, 0.2197, 0.3107

Protanopia

52.3489, 0.2965, 0.3034

Deuteranopia

52.1857, 0.2820, 0.2759



Tritanopia

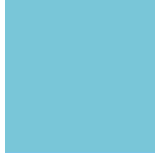
52.9596, 0.2190, 0.3041

Trichromacy



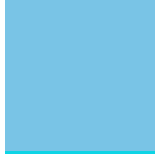
Original Color

53.0859, 0.2197, 0.3107



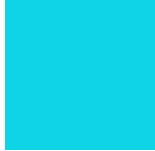
Protanomaly

49.4110, 0.2494, 0.3045



Deuteranomaly

49.2580, 0.2418, 0.2842



Tritanomaly

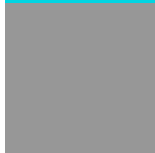
52.8375, 0.2188, 0.3054

Monochromacy



Original Color

53.0859, 0.2197, 0.3107



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.0278, 0.2515, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0795, 0.2197, 0.3107 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, 213, 226)` looks like.

```
.text, #text, p{  
    color:rgb(1, 213, 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, 213, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 213, 226) }
```

Border

The CSS property to change the border of an element to Yxy 53.0795, 0.2197, 0.3107 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, 213, 226) }
```

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

```
.border{ border-color:rgb(1, 213, 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, 213, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 213, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 213, 226);  
box-shadow:4px 4px 4px 4px rgb(1, 213,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0795, 0.2197, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 213, 226) }
```

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

```
.background{ background-color: rgb(1, 213,  
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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