

Converting Colors

$Y_{xy}(48.0138, 0.1905, 0.3035)$

Have a look what the booklet for
Yxy(48.0138, 0.1905, 0.3035)
contains.

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Color

Yxy(51.6392, 0.2181, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	00D2E3
RGB	0, 210, 227
RGB Percent	0%, 82%, 89%
CMY	0.9991, 0.1765, 0.1098
CMYK	1.00, 0.07, 0.00, 0.11
HSL	185°, 100%, 45%
HSV	185°, 100%, 89%
XYZ	36.9142, 51.6392, 80.7000
YIQ	149.1480, -130.6170, -39.2330

Conversions

Conversions Part 2

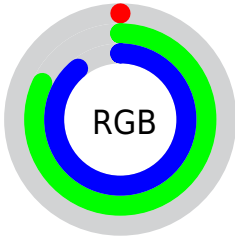
Format	Color
RYB	0, 109, 227
Decimal	53987
CIELab	77.06, -36.34, -20.54
CIELCh	77, 41.743, 209.475
Yxy	51.6392, 0.2181, 0.3051
Android (android.graphics.Color)	4278244067 (0xFF00D2E3)
YUV	149.1480, 38.3810, -130.8028
Hunter-Lab	71.8604, -34.0616, -16.2810

Details

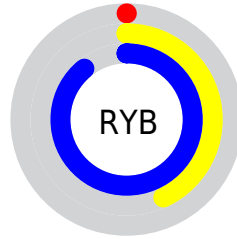
The Yxy color **51.6392, 0.2181, 0.3051** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.7414, 0.6354, 0.3336**, and the grayscale version is **30.0288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **26.4212, 0.2161, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **51.6307, 0.2181, 0.3051**, and if you desaturate by 10%, it is **52.6662, 0.2201, 0.3076**.

Distribution



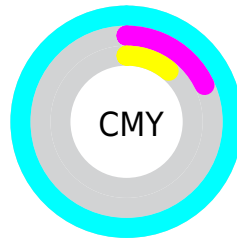
- Red (0%)
- Green (82%)
- Blue (89%)



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



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





- Cyan (100%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6392, 0.2181, 0.3051 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 51.6392, 0.2181, 0.3051 by changing the saturation by 10% instead.


 51.6392, 0.2181,
0.3051


 51.6392, 0.2181,
0.3051


393.0421, 0.2627,
0.3184

 36.7176, 0.2078,
0.3015


 92.5989, 0.2337,
0.3102

 24.9889, 0.1952,
0.2967


 119.4058, 0.2397,
0.3120

 16.0688, 0.1792,
0.2900


 150.9432, 0.2449,
0.3136

 9.5728, 0.1587,
0.2805

 187.5956, 0.2494,
0.3148

 5.1167, 0.1315,
0.2660

 229.7472, 0.2533,
0.3159

 2.3159, 0.0951,
0.2419

277.7826, 0.2568,

 0.7821, 0.0000,

0.3169

0.2076

332.0861, 0.2599,
0.3177

■ 0.0000, 0.0000,
0.0000

■ 51.6392, 0.2181,
0.3051

■ 51.6392, 0.2181,
0.3051

■ 51.6307, 0.2181,
0.3051

■ 52.6662, 0.2201,
0.3076

■ 53.9115, 0.2236,
0.3102

■ 55.4435, 0.2290,
0.3127

■ 57.3008, 0.2363,
0.3153

■ 59.5160, 0.2456,
0.3179

■ 62.1176, 0.2565,
0.3203

■ 65.1313, 0.2690,
0.3227

■ 68.5805, 0.2828,
0.3250

■ 72.4867, 0.2975,
0.3271

Harmonies

Analogous

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



51.6392, 0.2473, 0.3617



51.6392, 0.2181, 0.3051



51.6392, 0.2123, 0.2628

Triad

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



51.6392, 0.2181, 0.3051



51.6392, 0.3228, 0.2625



51.6392, 0.3981, 0.4177

Complementary

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



51.6392, 0.2181, 0.3051



16.7414, 0.6354, 0.3336

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.



51.6392, 0.4237, 0.3820



51.6392, 0.2181, 0.3051



51.6392, 0.3789, 0.2962

Square

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



51.6392, 0.2181, 0.3051



51.6392, 0.2684, 0.2431



51.6392, 0.4172, 0.3384



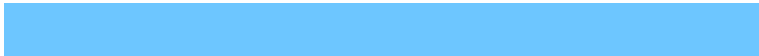
51.6392, 0.3506, 0.4318

Rectangle

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



51.6392, 0.2181, 0.3051



51.6392, 0.2214, 0.2467



51.6392, 0.4172, 0.3384



51.6392, 0.4097, 0.4074

Sweetspot

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



51.6411, 0.2181, 0.3051



84.6578, 0.2686, 0.3227



54.9799, 0.2991, 0.5965



17.7510, 0.2632, 0.3217



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.



51.6411, 0.2181, 0.3051



67.1383, 0.2180, 0.3049



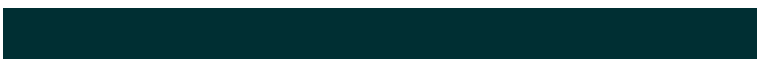
14.3783, 0.1706, 0.1342



16.1416, 0.2982, 0.3272



30.1850, 0.2182, 0.3055



2.2860, 0.2192, 0.3091

Inverse Universe

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



20.9906, 0.3409, 0.1652



27.3088, 0.3411, 0.1653



31.9652, 0.5228, 0.4231



14.5956, 0.3149, 0.3075



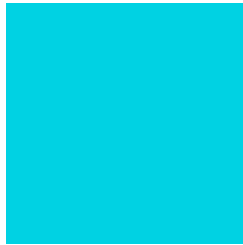
12.2449, 0.3406, 0.1650



0.9105, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 51.6392, 0.2181, 0.3051 looks on a white background.

Color Contrast Check

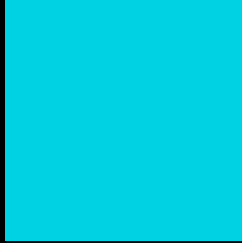
Large Text (above 18pt) WCAG AA × Fail

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 51.6392, 0.2181, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

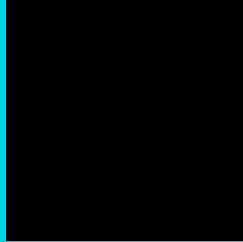
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6392, 0.2181, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 51.6392, 0.2181, 0.3051.

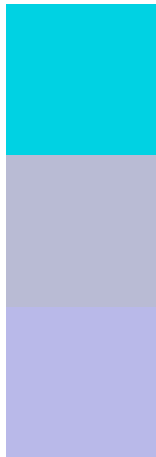


This preview shows how white text looks on a background with the Yxy color 51.6392, 0.2181, 0.3051.

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

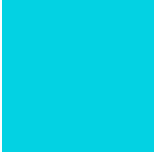
51.6392, 0.2181, 0.3051

Protanopia

50.6084, 0.2926, 0.2982

Deuteranopia

50.8954, 0.2782, 0.2720



Tritanopia

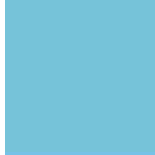
51.6586, 0.2182, 0.3051

Trichromacy



Original Color

51.6392, 0.2181, 0.3051



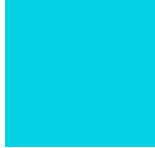
Protanomaly

47.8915, 0.2466, 0.2989



Deuteranomaly

48.2046, 0.2393, 0.2801



Tritanomaly

51.6521, 0.2182, 0.3051

Monochromacy



Original Color

51.6392, 0.2181, 0.3051



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.7330, 0.2501, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6392, 0.2181, 0.3051 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, 210, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 227)  
}
```

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, 210, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 227) }
```

Border

The CSS property to change the border of an element to Yxy 51.6392, 0.2181, 0.3051 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, 210, 227) }
```

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

```
.border{ border-color:rgb(0, 210, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 210, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6392, 0.2181, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 227) }
```

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

```
.background{ background-color: rgb(0, 210,  
227) }
```

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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