

Converting Colors

$Y_{xy}(50.9479, 0.2176, 0.3032)$

Have a look what the booklet for
Yxy(50.9479, 0.2176, 0.3032)
contains.

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Color

Yxy(51.1534, 0.2177, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	00D1E3
RGB	0, 209, 227
RGB Percent	0%, 82%, 89%
CMY	1.0000, 0.1803, 0.1098
CMYK	1.00, 0.08, 0.00, 0.11
HSL	185°, 100%, 45%
HSV	185°, 100%, 89%
XYZ	36.6681, 51.1534, 80.6125
YIQ	148.5610, -130.3420, -38.7100

Conversions

Conversions Part 2

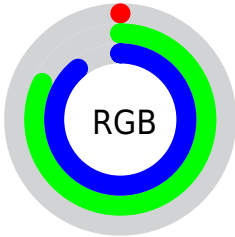
Format	Color
RYB	0, 109, 227
Decimal	53731
CIELab	76.77, -35.89, -20.98
CIELCh	77, 41.572, 210.307
Yxy	51.1534, 0.2177, 0.3037
Android (android.graphics.Color)	4278243811 (0xFF00D1E3)
YUV	148.5610, 38.6704, -130.2880
Hunter-Lab	71.5216, -33.6485, -16.7611

Details

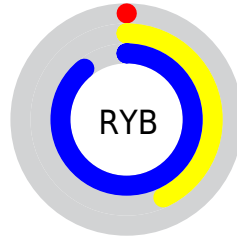
The Yxy color **51.1534, 0.2177, 0.3037** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.7630, 0.6352, 0.3338**, and the grayscale version is **29.7419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **26.0898, 0.2156, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **51.1550, 0.2177, 0.3037**, and if you desaturate by 10%, it is **52.2214, 0.2198, 0.3064**.

Distribution



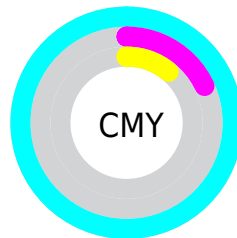
- Red (0%)
- Green (82%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1534, 0.2177, 0.3037 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 51.1534, 0.2177, 0.3037 by changing the saturation by 10% instead.


 51.1534, 0.2177,
0.3037


 51.1534, 0.2177,
0.3037

391.1595, 0.2626,
0.3177

 36.3307, 0.2074,
0.2999


 91.8815, 0.2334,
0.3090


 24.6897, 0.1946,
0.2949


 118.5557, 0.2394,
0.3110


 15.8460, 0.1786,
0.2879


 149.9491, 0.2446,
0.3126

 9.4153, 0.1579,
0.2780

 186.4463, 0.2492,
0.3139

 5.0130, 0.1305,
0.2629

 228.4315, 0.2531,
0.3151

 2.2549, 0.0939,
0.2380

276.2891, 0.2566,

 0.7497, 0.0000,

0.3161

0.2013

330.4037, 0.2598,
0.3170

■ 0.0000, 0.0000,
0.0000

■ 51.1534, 0.2177,
0.3037

■ 51.1534, 0.2177,
0.3037

■ 51.1550, 0.2177,
0.3037

■ 52.2214, 0.2198,
0.3064

■ 53.5074, 0.2233,
0.3091

■ 55.0806, 0.2287,
0.3118

■ 56.9797, 0.2361,
0.3145

■ 59.2374, 0.2453,
0.3172

■ 61.8824, 0.2563,
0.3198

■ 64.9401, 0.2688,
0.3224

■ 68.4341, 0.2826,
0.3247

■ 72.3859, 0.2973,
0.3270

Harmonies

Analogous

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



51.1534, 0.2462, 0.3601



51.1534, 0.2177, 0.3037



51.1534, 0.2125, 0.2620

Triad

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



51.1534, 0.2177, 0.3037



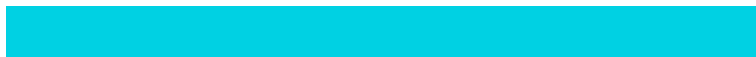
51.1534, 0.3244, 0.2633



51.1534, 0.3970, 0.4184

Complementary

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



51.1534, 0.2177, 0.3037



16.7630, 0.6352, 0.3338

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.



51.1534, 0.4233, 0.3831



51.1534, 0.2177, 0.3037



51.1534, 0.3802, 0.2973

Square

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



51.1534, 0.2177, 0.3037



51.1534, 0.2698, 0.2435



51.1534, 0.4178, 0.3397



51.1534, 0.3490, 0.4317

Rectangle

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



51.1534, 0.2177, 0.3037



51.1534, 0.2220, 0.2463



51.1534, 0.4178, 0.3397



51.1534, 0.4088, 0.4083

Sweetspot

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



51.1553, 0.2177, 0.3037



84.4583, 0.2686, 0.3223



54.9727, 0.2991, 0.5966



17.7025, 0.2631, 0.3213



0.0000, 0.0000, 0.0000



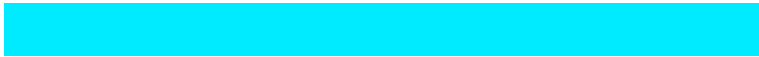
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1553, 0.2177, 0.3037



66.5216, 0.2177, 0.3035



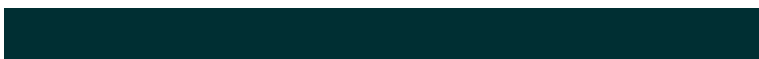
14.3507, 0.1706, 0.1340



16.1307, 0.2982, 0.3271



29.9142, 0.2178, 0.3041



2.2688, 0.2189, 0.3080

Inverse Universe

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



20.9352, 0.3422, 0.1659



27.2465, 0.3423, 0.1659



31.9354, 0.5229, 0.4230



14.5945, 0.3150, 0.3076



12.2176, 0.3418, 0.1657



0.9087, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 51.1534, 0.2177, 0.3037 looks on a white background.

Color Contrast Check

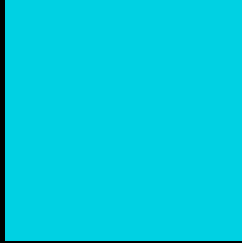
Large Text (above 18pt) WCAG AA × Fail

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 51.1534, 0.2177, 0.3037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

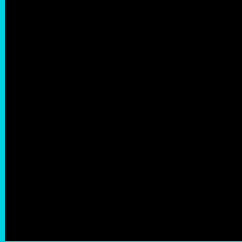
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1534, 0.2177, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 51.1534, 0.2177, 0.3037.



This preview shows how white text looks on a background with the Yxy color 51.1534, 0.2177, 0.3037.

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

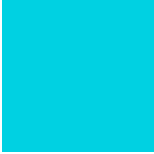
51.1470, 0.2177, 0.3037

Protanopia

50.4845, 0.2919, 0.2981

Deuteranopia

50.3545, 0.2774, 0.2706



Tritanopia

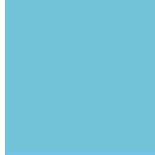
51.0919, 0.2181, 0.3050

Trichromacy



Original Color

51.1470, 0.2177, 0.3037



Protanomaly

47.8219, 0.2461, 0.2989



Deuteranomaly

47.6914, 0.2385, 0.2786



Tritanomaly

51.0919, 0.2181, 0.3050

Monochromacy



Original Color

51.1470, 0.2177, 0.3037



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 51.1534, 0.2177, 0.3037 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, 209, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 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, 209, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 227) }
```

Border

The CSS property to change the border of an element to Yxy 51.1534, 0.2177, 0.3037 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, 209, 227) }
```

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

```
.border{ border-color:rgb(0, 209, 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, 209, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 209, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 209, 227); box-shadow:4px 4px 4px 4px rgb(0, 209, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1534, 0.2177, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 227) }
```

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

```
.background{ background-color: rgb(0, 209,  
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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