

Converting Colors

$Yxy(50.9806, 0.2186, 0.3071)$

Have a look what the booklet for
Yxy(50.9806, 0.2186, 0.3071)
contains.

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Color

Yxy(50.9827, 0.2188, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	00D1E0
RGB	0, 209, 224
RGB Percent	0%, 82%, 88%
CMY	1.0000, 0.1804, 0.1215
CMYK	1.00, 0.07, 0.00, 0.12
HSL	184°, 100%, 44%
HSV	184°, 100%, 88%
XYZ	36.2529, 50.9827, 78.4540
YIQ	148.2190, -129.3790, -39.6430

Conversions

Conversions Part 2

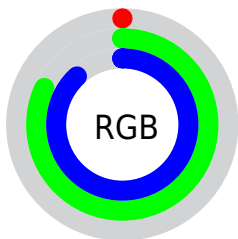
Format	Color
RYB	0, 108, 224
Decimal	53728
CIELab	76.67, -36.82, -19.53
CIELCh	77, 41.682, 207.936
Yxy	50.9827, 0.2188, 0.3077
Android (android.graphics.Color)	4278243808 (0xFF00D1E0)
YUV	148.2190, 37.3600, -129.9881
Hunter-Lab	71.4022, -34.3243, -15.1641

Details

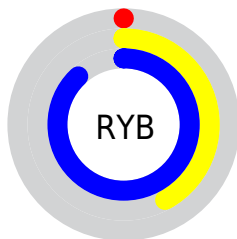
The Yxy color **50.9827, 0.2188, 0.3077** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.1899, 0.6361, 0.3331**, and the grayscale version is **29.5937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **25.9758, 0.2170, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **50.9860, 0.2188, 0.3077**, and if you desaturate by 10%, it is **51.9007, 0.2207, 0.3099**.

Distribution



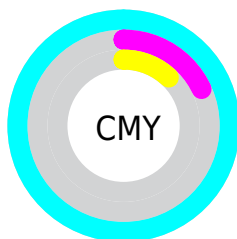
- Red (0%)
- Green (82%)
- Blue (88%)



- Red (0%)
- Yellow (42%)
- Blue (88%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)




- Cyan (100%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9827, 0.2188, 0.3077 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 50.9827, 0.2188, 0.3077 by changing the saturation by 10% instead.

 50.9827, 0.2188,
0.3077

 50.9827, 0.2188,
0.3077

390.4966, 0.2632,
0.3198


 36.1948, 0.2085,
0.3044


 91.6292, 0.2343,
0.3123


 24.5847, 0.1959,
0.2999


 118.2566, 0.2403,
0.3140


 15.7679, 0.1799,
0.2937


 149.5994, 0.2455,
0.3154

 9.3601, 0.1591,
0.2847

 186.0418, 0.2500,
0.3166

 4.9768, 0.1317,
0.2708

 227.9684, 0.2539,
0.3175

 2.2336, 0.0947,
0.2474

275.7634, 0.2574,

 0.7382, 0.0000,

0.3184

0.2122

329.8113, 0.2605,
0.3191

■ 0.0000, 0.0000,
0.0000

■ 50.9827, 0.2188,
0.3077

■ 50.9827, 0.2188,
0.3077

■ 50.9860, 0.2188,
0.3077

■ 51.9007, 0.2207,
0.3099

■ 53.0254, 0.2242,
0.3122

■ 54.4260, 0.2294,
0.3145

■ 56.1398, 0.2366,
0.3168

■ 58.1984, 0.2457,
0.3190

■ 60.6295, 0.2566,
0.3213

■ 63.4579, 0.2690,
0.3234

■ 66.7062, 0.2827,
0.3254

■ 70.3953, 0.2974,
0.3273

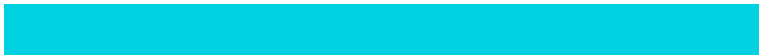
Harmonies

Analogous

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



50.9827, 0.2492, 0.3648



50.9827, 0.2188, 0.3077



50.9827, 0.2117, 0.2643

Triad

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



50.9827, 0.2188, 0.3077



50.9827, 0.3198, 0.2609



50.9827, 0.4003, 0.4165

Complementary

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



50.9827, 0.2188, 0.3077



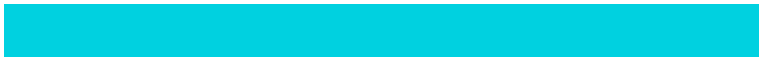
16.1899, 0.6361, 0.3331

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.



50.9827, 0.4245, 0.3800



50.9827, 0.2188, 0.3077



50.9827, 0.3765, 0.2941

Square

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



50.9827, 0.2188, 0.3077



50.9827, 0.2659, 0.2424



50.9827, 0.4163, 0.3362



50.9827, 0.3534, 0.4322

Rectangle

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



50.9827, 0.2188, 0.3077



50.9827, 0.2201, 0.2474



50.9827, 0.4163, 0.3362



50.9827, 0.4115, 0.4058

Sweetspot

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



50.9860, 0.2188, 0.3077



85.0393, 0.2687, 0.3233



53.3487, 0.2990, 0.5965



17.8438, 0.2633, 0.3224



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.



50.9860, 0.2188, 0.3077



68.3253, 0.2188, 0.3075



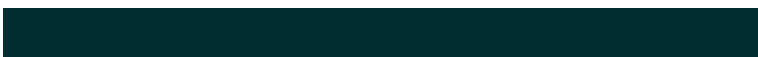
13.9443, 0.1706, 0.1341



15.4069, 0.2982, 0.3274



29.7437, 0.2189, 0.3080



2.1096, 0.2199, 0.3115

Inverse Universe

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



20.4520, 0.3387, 0.1639



27.4286, 0.3388, 0.1640



31.0106, 0.5228, 0.4231



13.9190, 0.3148, 0.3074



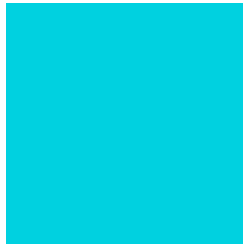
11.9107, 0.3384, 0.1638



0.8304, 0.3354, 0.1621

Previews

White Background



This preview shows how the Yxy color 50.9827, 0.2188, 0.3077 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 50.9827, 0.2188, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

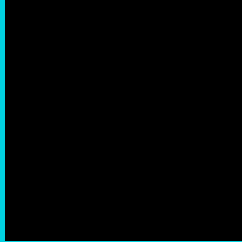
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

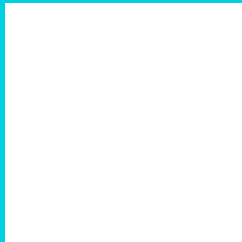
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9827, 0.2188, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 50.9827, 0.2188, 0.3077.



This preview shows how white text looks on a background with the Yxy color 50.9827, 0.2188, 0.3077.

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

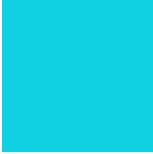
50.9827, 0.2188, 0.3077

Protanopia

50.0355, 0.2947, 0.3005

Deuteranopia

50.3084, 0.2801, 0.2740



Tritanopia

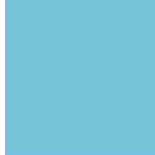
51.1935, 0.2188, 0.3051

Trichromacy



Original Color

50.9827, 0.2188, 0.3077



Protanomaly

47.2902, 0.2480, 0.3014



Deuteranomaly

47.5929, 0.2405, 0.2823



Tritanomaly

51.1017, 0.2189, 0.3064

Monochromacy



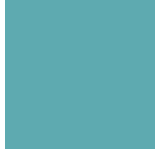
Original Color

50.9827, 0.2188, 0.3077



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.2637, 0.2499, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9827, 0.2188, 0.3077 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 224) }
```

Border

The CSS property to change the border of an element to Yxy 50.9827, 0.2188, 0.3077 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, 224) }
```

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

```
.border{ border-color:rgb(0, 209, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9827, 0.2188, 0.3077 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, 224) }
```

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

```
.background{ background-color: rgb(0, 209,  
224) }
```

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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