

Converting Colors

$Yxy(44.9333, 0.2079, 0.3101)$

Have a look what the booklet for
Yxy(44.9333, 0.2079, 0.3101)
contains.

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Color

Yxy(46.1126, 0.2194, 0.3097)

Conversions

Conversions Part 1

Format	Color
Hex	01C8D5
RGB	1, 200, 213
RGB Percent	0%, 78%, 84%
CMY	0.9976, 0.2157, 0.1648
CMYK	1.00, 0.06, 0.00, 0.16
HSL	184°, 99%, 42%
HSV	184°, 100%, 84%
XYZ	32.6674, 46.1126, 70.1144
YIQ	141.9810, -122.7770, -38.1450

Conversions

Conversions Part 2

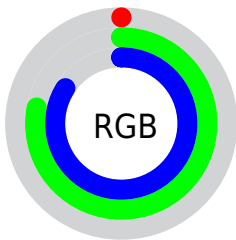
Format	Color
R _{YB}	1, 104, 213
Decimal	116949
CIE Lab	73.62, -36.05, -18.19
CIE LCh	74, 40.380, 206.779
Yxy	46.1126, 0.2194, 0.3097
Android (android.graphics.Color)	4278307029 (0xFF01C8D5)
YUV	141.9810, 35.0124, -123.6403
Hunter-Lab	67.9063, -32.9656, -13.6836

Details

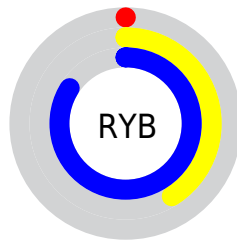
The Yxy color **46.1126, 0.2194, 0.3097** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.4477, 0.6359, 0.3330**, and the grayscale version is **26.8884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **22.7194, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **46.0928, 0.2194, 0.3096**, and if you desaturate by 10%, it is **46.8855, 0.2213, 0.3117**.

Distribution



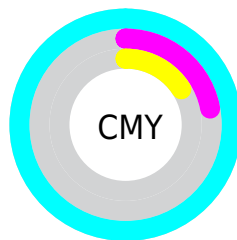
- Red (0%)
- Green (78%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1126, 0.2194, 0.3097 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 46.1126, 0.2194, 0.3097 by changing the saturation by 10% instead.


 46.1126, 0.2194,
0.3097

 46.1126, 0.2194,
0.3097


371.2612, 0.2644,
0.3209


 32.3347, 0.2088,
0.3065


 84.3875, 0.2353,
0.3141


 21.6173, 0.1956,
0.3021


 109.6533, 0.2414,
0.3157


 13.5759, 0.1787,
0.2959


 139.5171, 0.2466,
0.3169

 7.8263, 0.1566,
0.2867

 174.3634, 0.2511,
0.3180

 3.9840, 0.1269,
0.2719

 214.5766, 0.2551,
0.3189

 1.6646, 0.0820,
0.2470

260.5410, 0.2585,

 0.4006, 0.0000,

0.3197

0.1729

312.6410, 0.2616,
0.3203

■ 0.0000, 0.0000,
0.0000

■ 46.1126, 0.2194,
0.3097

■ 46.1126, 0.2194,
0.3097

■ 46.0928, 0.2194,
0.3096

■ 46.8855, 0.2213,
0.3117

■ 47.8449, 0.2248,
0.3138

■ 49.0498, 0.2300,
0.3158

■ 50.5331, 0.2372,
0.3179

■ 52.3225, 0.2463,
0.3200

■ 54.4422, 0.2572,
0.3220

■ 56.9141, 0.2695,
0.3239

■ 59.7581, 0.2832,
0.3258

■ 62.9928, 0.2978,
0.3275

Harmonies

Analogous

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



46.1126, 0.2506, 0.3671



46.1126, 0.2194, 0.3097



46.1126, 0.2114, 0.2655

Triad

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



46.1126, 0.2194, 0.3097



46.1126, 0.3176, 0.2598



46.1126, 0.4019, 0.4155

Complementary

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



46.1126, 0.2194, 0.3097



14.4477, 0.6359, 0.3330

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.



46.1126, 0.4251, 0.3784



46.1126, 0.2194, 0.3097



46.1126, 0.3746, 0.2926

Square

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



46.1126, 0.2194, 0.3097



46.1126, 0.2640, 0.2419



46.1126, 0.4155, 0.3345



46.1126, 0.3555, 0.4323

Rectangle

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



46.1126, 0.2194, 0.3097



46.1126, 0.2192, 0.2479



46.1126, 0.4155, 0.3345



46.1126, 0.4128, 0.4046

Sweetspot

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



46.1143, 0.2194, 0.3097



85.3168, 0.2688, 0.3238



47.6063, 0.2993, 0.5972



17.9113, 0.2634, 0.3230



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.



46.1143, 0.2194, 0.3097



69.1948, 0.2193, 0.3094



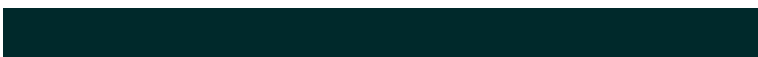
13.2057, 0.1724, 0.1404



13.9717, 0.2983, 0.3275



28.2173, 0.2194, 0.3099



1.7422, 0.2204, 0.3134

Inverse Universe

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



18.3263, 0.3370, 0.1631



27.5164, 0.3372, 0.1631



26.9641, 0.5268, 0.4197



12.6190, 0.3147, 0.3074



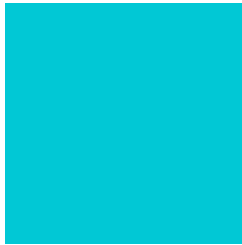
11.1934, 0.3368, 0.1629



0.6792, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 46.1126, 0.2194, 0.3097 looks on a white background.

Color Contrast Check

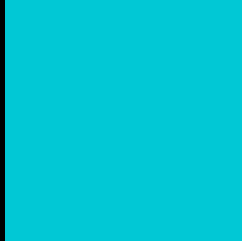
Large Text (above 18pt) WCAG AA × Fail

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 46.1126, 0.2194, 0.3097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

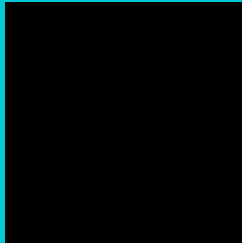
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1126, 0.2194, 0.3097

Background



This preview shows how black text looks on a background with the Yxy color 46.1126, 0.2194, 0.3097.

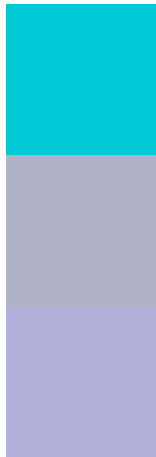


This preview shows how white text looks on a background with the Yxy color 46.1126, 0.2194, 0.3097.

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

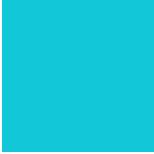
46.1191, 0.2194, 0.3097

Protanopia

45.3114, 0.2955, 0.3018

Deuteranopia

45.5776, 0.2824, 0.2766



Tritanopia

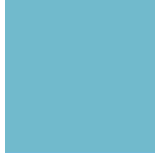
46.3950, 0.2193, 0.3055

Trichromacy



Original Color

46.1191, 0.2194, 0.3097



Protanomaly

42.9882, 0.2487, 0.3031



Deuteranomaly

43.1665, 0.2419, 0.2857



Tritanomaly

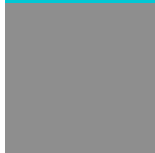
46.2930, 0.2192, 0.3069

Monochromacy



Original Color

46.1191, 0.2194, 0.3097



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.2457, 0.2510, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1126, 0.2194, 0.3097 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, 200, 213)` looks like.

```
.text, #text, p{  
    color:rgb(1, 200, 213)  
}
```

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, 200, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 200, 213) }
```

Border

The CSS property to change the border of an element to Yxy 46.1126, 0.2194, 0.3097 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, 200, 213) }
```

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

```
.border{ border-color:rgb(1, 200, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 200, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 200, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 200, 213);  
box-shadow:4px 4px 4px 4px rgb(1, 200,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1126, 0.2194, 0.3097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 200, 213) }
```

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

```
.background{ background-color: rgb(1, 200,  
213) }
```

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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