

Converting Colors

$Y_{xy}(51.0321, 0.2166, 0.2996)$

Have a look what the booklet for
Yxy(51.0321, 0.2166, 0.2996)
contains.

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Color

Yxy(50.8314, 0.2162, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	00D0E6
RGB	0, 208, 230
RGB Percent	0%, 82%, 90%
CMY	1.0000, 0.1842, 0.0980
CMYK	1.00, 0.10, 0.00, 0.10
HSL	186°, 100%, 45%
HSV	186°, 100%, 90%
XYZ	36.8413, 50.8314, 82.7310
YIQ	148.3160, -131.0300, -37.2540

Conversions

Conversions Part 2

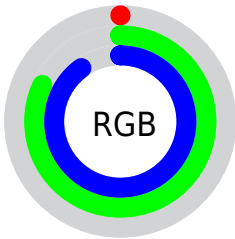
Format	Color
RYB	0, 109, 230
Decimal	53478
CIELab	76.58, -34.48, -22.89
CIELCh	77, 41.383, 213.576
Yxy	50.8314, 0.2162, 0.2983
Android (android.graphics.Color)	4278243558 (0xFF00D0E6)
YUV	148.3160, 40.2702, -130.0731
Hunter-Lab	71.2961, -32.5309, -18.8919

Details

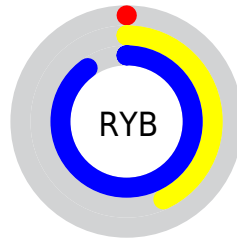
The Yxy color **50.8314, 0.2162, 0.2983** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.3961, 0.6338, 0.3349**, and the grayscale version is **29.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **25.8385, 0.2141, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **50.8330, 0.2162, 0.2983**, and if you desaturate by 10%, it is **52.0949, 0.2184, 0.3015**.

Distribution



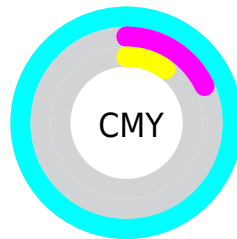
- Red (0%)
- Green (82%)
- Blue (90%)



- Red (0%)
- Yellow (43%)
- Blue (90%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)




- Cyan (100%)
- Magenta (18%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8314, 0.2162, 0.2983 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 50.8314, 0.2162, 0.2983 by changing the saturation by 10% instead.

 50.8314, 0.2162,
0.2983


 50.8314, 0.2162,
0.2983


389.9084, 0.2617,
0.3150


 36.0744, 0.2057,
0.2939


 91.4055, 0.2321,
0.3046


 24.4917, 0.1929,
0.2880


 117.9914, 0.2382,
0.3069

 15.6988, 0.1767,
0.2801


 149.2892, 0.2435,
0.3088

 9.3112, 0.1558,
0.2689

 185.6831, 0.2481,
0.3104

 4.9447, 0.1283,
0.2521

 227.5576, 0.2522,
0.3118

 2.2149, 0.0918,
0.2250

275.2970, 0.2557,

 0.7281, 0.0000,

0.3130

0.1847

329.2858, 0.2589,
0.3140

■ 0.0000, 0.0000,
0.0000

■ 50.8314, 0.2162,
0.2983

■ 50.8314, 0.2162,
0.2983

■ 50.8330, 0.2162,
0.2983

■ 52.0949, 0.2184,
0.3015

■ 53.5881, 0.2222,
0.3048

■ 55.3819, 0.2278,
0.3082

■ 57.5164, 0.2354,
0.3115

■ 60.0255, 0.2448,
0.3148

■ 62.9387, 0.2560,
0.3179

■ 66.2824, 0.2687,
0.3210

■ 70.0809, 0.2825,
0.3239

■ 74.3564, 0.2973,
0.3265

Harmonies

Analogous

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



50.8314, 0.2422, 0.3537



50.8314, 0.2162, 0.2983



50.8314, 0.2136, 0.2589

Triad

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



50.8314, 0.2162, 0.2983



50.8314, 0.3307, 0.2666



50.8314, 0.3924, 0.4209

Complementary

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



50.8314, 0.2162, 0.2983



17.3961, 0.6338, 0.3349

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.



50.8314, 0.4216, 0.3874



50.8314, 0.2162, 0.2983



50.8314, 0.3854, 0.3017

Square

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



50.8314, 0.2162, 0.2983



50.8314, 0.2753, 0.2450



50.8314, 0.4198, 0.3445



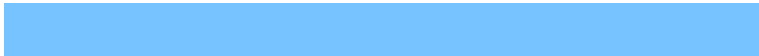
50.8314, 0.3430, 0.4309

Rectangle

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



50.8314, 0.2162, 0.2983



50.8314, 0.2247, 0.2449



50.8314, 0.4198, 0.3445



50.8314, 0.4050, 0.4116

Sweetspot

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



50.8332, 0.2162, 0.2983



83.6876, 0.2684, 0.3209



56.6407, 0.2987, 0.5955



17.5153, 0.2629, 0.3197



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.



50.8332, 0.2162, 0.2983



64.1639, 0.2162, 0.2981



14.0488, 0.1691, 0.1288



16.0885, 0.2982, 0.3267



28.8782, 0.2163, 0.2988



2.2028, 0.2177, 0.3036

Inverse Universe

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



21.3778, 0.3469, 0.1685



27.0085, 0.3471, 0.1686



33.9194, 0.5181, 0.4268



14.5902, 0.3152, 0.3080



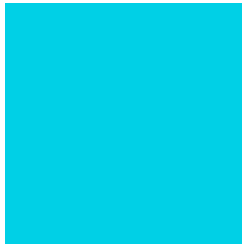
12.1130, 0.3465, 0.1682



0.9021, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 50.8314, 0.2162, 0.2983 looks on a white background.

Color Contrast Check

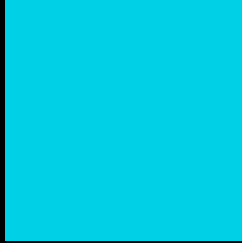
Large Text (above 18pt) WCAG AA × Fail

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 50.8314, 0.2162, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

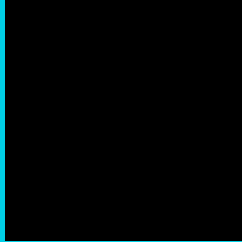
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8314, 0.2162, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 50.8314, 0.2162, 0.2983.



This preview shows how white text looks on a background with the Yxy color 50.8314, 0.2162, 0.2983.

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

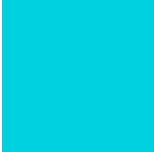
50.8249, 0.2162, 0.2983

Protanopia

49.9692, 0.2882, 0.2932

Deuteranopia

50.1029, 0.2740, 0.2681



Tritanopia

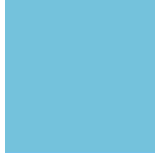
51.0372, 0.2184, 0.3064

Trichromacy



Original Color

50.8249, 0.2162, 0.2983



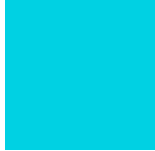
Protanomaly

47.4639, 0.2438, 0.2936



Deuteranomaly

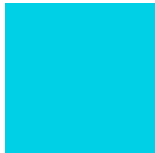
47.6680, 0.2366, 0.2761



Tritanomaly

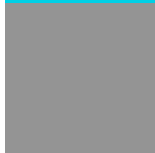
51.1470, 0.2177, 0.3037

Monochromacy



Original Color

50.8249, 0.2162, 0.2983



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.3435, 0.2486, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8314, 0.2162, 0.2983 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, 208, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 230)  
}
```

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, 208, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 230) }
```

Border

The CSS property to change the border of an element to Yxy 50.8314, 0.2162, 0.2983 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, 208, 230) }
```

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

```
.border{ border-color:rgb(0, 208, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8314, 0.2162, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 230) }
```

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

```
.background{ background-color: rgb(0, 208,  
230) }
```

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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