

Converting Colors

$Yxy(50.4367, 0.2161, 0.2979)$

Have a look what the booklet for
Yxy(50.4367, 0.2161, 0.2979)
contains.

Yxy(50.2828, 0.2162, 0.2981)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.2828, 0.2162, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	01CFE5
RGB	1, 207, 229
RGB Percent	0%, 81%, 90%
CMY	0.9955, 0.1883, 0.1019
CMYK	0.99, 0.10, 0.00, 0.10
HSL	186°, 99%, 45%
HSV	186°, 99%, 90%
XYZ	36.4681, 50.2828, 81.9267
YIQ	147.9140, -129.8380, -36.8300

Conversions

Conversions Part 2

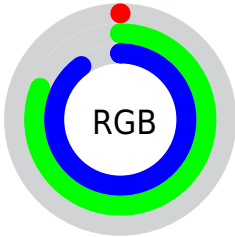
Format	Color
R_{YB}	1, 109, 229
Decimal	118757
CIE Lab	76.24, -34.27, -22.87
CIE LCh	76, 41.202, 213.714
Yxy	50.2828, 0.2162, 0.2981
Android (android.graphics.Color)	4278308837 (0xFF01CFE5)
YUV	147.9140, 39.9754, -128.8436
Hunter-Lab	70.9104, -32.2934, -18.8638

Details

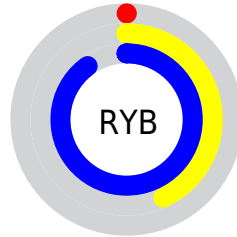
The Yxy color **50.2828, 0.2162, 0.2981** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **17.2845, 0.6329, 0.3352**, and the grayscale version is **29.4655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **25.5125, 0.2136, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **50.2229, 0.2161, 0.2979**, and if you desaturate by 10%, it is **51.5527, 0.2185, 0.3014**.

Distribution



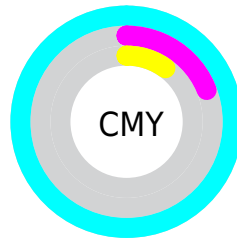
- Red (0%)
- Green (81%)
- Blue (90%)



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



- Cyan (99%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2828, 0.2162, 0.2981 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 50.2828, 0.2162, 0.2981 by changing the saturation by 10% instead.


 50.2828, 0.2162,
0.2981

 50.2828, 0.2162,
0.2981


387.7708, 0.2618,
0.3149


 35.6382, 0.2057,
0.2936


 90.5937, 0.2321,
0.3044


 24.1549, 0.1928,
0.2877


 117.0288, 0.2383,
0.3068


 15.4485, 0.1765,
0.2798


 148.1629, 0.2436,
0.3087

 9.1348, 0.1555,
0.2684

 184.3802, 0.2482,
0.3103

 4.8292, 0.1278,
0.2513

 226.0653, 0.2522,
0.3117

 2.1474, 0.0910,
0.2238

273.6025, 0.2558,

 0.6911, 0.0000,

0.3129

0.1812

327.3762, 0.2590,
0.3140

■ 0.0000, 0.0000,
0.0000

■ 50.2828, 0.2162,
0.2981

■ 50.2828, 0.2162,
0.2981

■ 50.2229, 0.2161,
0.2979

■ 51.5527, 0.2185,
0.3014

■ 53.0569, 0.2223,
0.3047

■ 54.8615, 0.2281,
0.3081

■ 57.0055, 0.2358,
0.3115

■ 59.5223, 0.2453,
0.3148

■ 62.4409, 0.2566,
0.3180

■ 65.7873, 0.2693,
0.3211

■ 69.5854, 0.2833,
0.3240

■ 73.8572, 0.2981,
0.3266

Harmonies

Analogous

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



50.2828, 0.2421, 0.3534



50.2828, 0.2162, 0.2981



50.2828, 0.2137, 0.2589

Triad

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



50.2828, 0.2162, 0.2981



50.2828, 0.3310, 0.2667



50.2828, 0.3921, 0.4210

Complementary

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



50.2828, 0.2162, 0.2981



17.2845, 0.6329, 0.3352

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.



50.2828, 0.4215, 0.3876



50.2828, 0.2162, 0.2981



50.2828, 0.3856, 0.3020

Square

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



50.2828, 0.2162, 0.2981



50.2828, 0.2756, 0.2451



50.2828, 0.4198, 0.3447



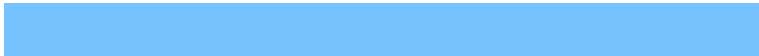
50.2828, 0.3428, 0.4308

Rectangle

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



50.2828, 0.2162, 0.2981



50.2828, 0.2249, 0.2449



50.2828, 0.4198, 0.3447



50.2828, 0.4048, 0.4117

Sweetspot

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



50.2846, 0.2162, 0.2981



83.6347, 0.2684, 0.3208



56.1088, 0.2987, 0.5951



17.5025, 0.2629, 0.3196



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.



50.2846, 0.2162, 0.2981



64.0034, 0.2160, 0.2977



14.0500, 0.1695, 0.1297



16.0856, 0.2982, 0.3267



28.8076, 0.2162, 0.2985



2.1983, 0.2176, 0.3033

Inverse Universe

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



21.1909, 0.3471, 0.1687



26.9923, 0.3474, 0.1687



33.7358, 0.5173, 0.4271



14.5899, 0.3153, 0.3080



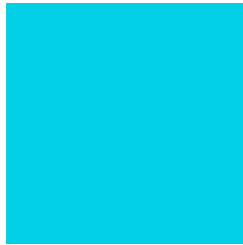
12.1059, 0.3468, 0.1684



0.9016, 0.3425, 0.1661

Previews

White Background



This preview shows how the Yxy color 50.2828, 0.2162, 0.2981 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 50.2828, 0.2162, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

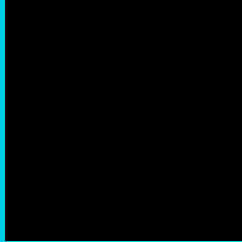
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2828, 0.2162, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 50.2828, 0.2162, 0.2981.



This preview shows how white text looks on a background with the Yxy color 50.2828, 0.2162, 0.2981.

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

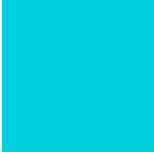
50.2892, 0.2162, 0.2982

Protanopia

49.4980, 0.2888, 0.2931

Deuteranopia

49.5108, 0.2738, 0.2678



Tritanopia

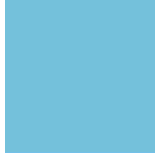
50.4936, 0.2184, 0.3063

Trichromacy



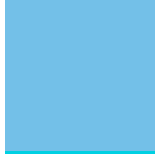
Original Color

50.2892, 0.2162, 0.2982



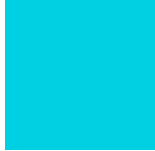
Protanomaly

46.9674, 0.2440, 0.2935



Deuteranomaly

47.1703, 0.2368, 0.2759



Tritanomaly

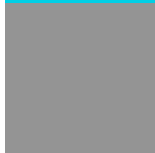
50.6027, 0.2177, 0.3036

Monochromacy



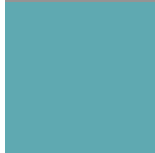
Original Color

50.2892, 0.2162, 0.2982



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.9832, 0.2496, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2828, 0.2162, 0.2981 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, 207, 229)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 229)  
}
```

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, 207, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 229) }
```

Border

The CSS property to change the border of an element to Yxy 50.2828, 0.2162, 0.2981 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, 207, 229) }
```

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

```
.border{ border-color:rgb(1, 207, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 207, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 229);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2828, 0.2162, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 229) }
```

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

```
.background{ background-color: rgb(1, 207,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor