

# Converting Colors

$Yxy(45.5103, 0.2154, 0.2903)$

Have a look what the booklet for  
Yxy(45.5103, 0.2154, 0.2903)  
contains.

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# Color

**Yxy(45.4965, 0.2154, 0.2902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17C5E0
RGB	23, 197, 224
RGB Percent	9%, 77%, 88%
CMY	0.9103, 0.2274, 0.1216
CMYK	0.90, 0.12, 0.00, 0.12
HSL	188°, 81%, 48%
HSV	188°, 90%, 88%
XYZ	33.7696, 45.4965, 77.5102
YIQ	148.0520, -112.3710, -28.4910

# Conversions

## Conversions Part 2

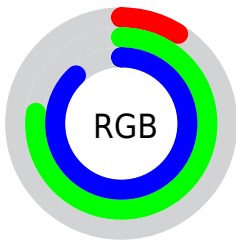
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 116, 224
Decimal	1557984
CIE Lab	73.22, -30.43, -24.76
CIE LCh	73, 39.225, 219.132
Yxy	45.4965, 0.2154, 0.2902
Android (android.graphics.Color)	4279748064 (0xFF17C5E0)
YUV	148.0520, 37.4424, -109.6706
Hunter-Lab	67.4511, -28.6728, -20.9163

# Details

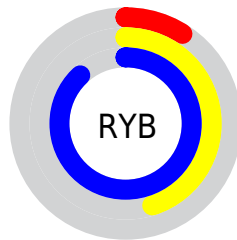
The Yxy color **45.4965, 0.2154, 0.2902** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **18.1746, 0.6062, 0.3441**, and the grayscale version is **29.4984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6143, 0.2421, 0.3276**, and **22.5095, 0.2110, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **43.9696, 0.2127, 0.2855**, and if you desaturate by 10%, it is **47.2597, 0.2197, 0.2949**.

# Distribution



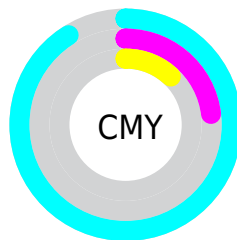
- Red (9%)
- Green (77%)
- Blue (88%)



- Red (9%)
- Yellow (45%)
- Blue (88%)



- Cyan (90%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)




- Cyan (91%)
- Magenta (23%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4965, 0.2154, 0.2902 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 45.4965, 0.2154, 0.2902 by changing the saturation by 10% instead.





 45.4965, 0.2154,  
0.2902

 45.4965, 0.2154,  
0.2902


368.7807, 0.2621,  
0.3111

 31.8487, 0.2045,  
0.2847


 83.4650, 0.2318,  
0.2981


 21.2459, 0.1909,  
0.2774


 108.5544, 0.2382,  
0.3009

 13.3039, 0.1738,  
0.2675


 138.2265, 0.2436,  
0.3033

 7.6381, 0.1515,  
0.2535

 172.8656, 0.2483,  
0.3054

 3.8643, 0.1219,  
0.2326

 212.8562, 0.2524,  
0.3071

 1.5979, 0.0808,  
0.1993

258.5827, 0.2560,

 0.3562, 0.0000,

0.3086

0.1189

310.4294, 0.2592,  
0.3099

■ 0.0000, 0.0000,  
0.0000

■ 45.4965, 0.2154,  
0.2902

■ 45.4965, 0.2154,  
0.2902

■ 43.9696, 0.2127,  
0.2855

■ 47.2597, 0.2197,  
0.2949

■ 43.9379, 0.2126,  
0.2854

■ 49.3183, 0.2259,  
0.2997

■ 51.7113, 0.2340,  
0.3044

■ 54.4704, 0.2440,  
0.3091

■ 57.6232, 0.2556,  
0.3136

■ 61.1946, 0.2687,  
0.3179

■ 65.2073, 0.2828,  
0.3219

■ 69.6823, 0.2977,  
0.3256

■ 74.6393, 0.3130,  
0.3291

# Harmonies

## Analogous

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



45.4965, 0.2369, 0.3427



45.4965, 0.2154, 0.2902



45.4965, 0.2171, 0.2552

# Triad

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



45.4965, 0.2154, 0.2902



45.4965, 0.3410, 0.2731



45.4965, 0.3833, 0.4235

# Complementary

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



45.4965, 0.2154, 0.2902



18.1746, 0.6062, 0.3441

# 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.



45.4965, 0.4166, 0.3938



45.4965, 0.2154, 0.2902



45.4965, 0.3925, 0.3097

# Square

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



45.4965, 0.2154, 0.2902



45.4965, 0.2853, 0.2489



45.4965, 0.4209, 0.3524



45.4965, 0.3326, 0.4272

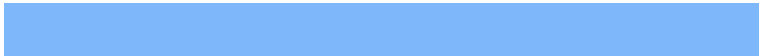


# Rectangle

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



45.4965, 0.2154, 0.2902



45.4965, 0.2309, 0.2440



45.4965, 0.4209, 0.3524



45.4965, 0.3970, 0.4158

# Sweetspot

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



45.4981, 0.2154, 0.2902



83.4466, 0.2722, 0.3190



53.7108, 0.2959, 0.5764



17.4830, 0.2675, 0.3175



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

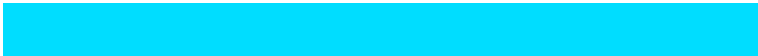


# Same Dimension

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



45.4981, 0.2154, 0.2902



58.8254, 0.2125, 0.2851



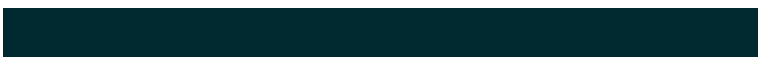
14.0403, 0.1729, 0.1345



15.2423, 0.2982, 0.3258



25.7027, 0.2128, 0.2862



1.8696, 0.2148, 0.2934



# Inverse Universe

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



20.4842, 0.3538, 0.1763



26.4696, 0.3588, 0.1750



37.7969, 0.4891, 0.4419



13.9023, 0.3158, 0.3089



11.5027, 0.3578, 0.1745

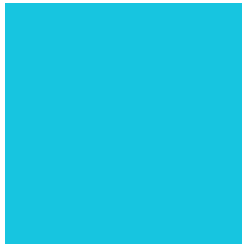


0.8062, 0.3513, 0.1709



# Previews

## White Background



This preview shows how the Yxy color 45.4965, 0.2154, 0.2902 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 45.4965, 0.2154, 0.2902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

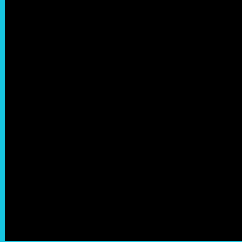
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.4965, 0.2154, 0.2902**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.4965, 0.2154, 0.2902.



This preview shows how white text looks on a background with the Yxy color 45.4965, 0.2154, 0.2902.

# 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

45.4965, 0.2154, 0.2902

### Protanopia

44.8681, 0.2834, 0.2866

### Deuteranopia

44.7521, 0.2681, 0.2618



## Tritanopia

45.2432, 0.2181, 0.3052

# Trichromacy



## Original Color

45.4965, 0.2154, 0.2902



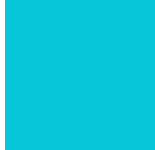
## Protanomaly

43.0388, 0.2449, 0.2858



## Deuteranomaly

43.1260, 0.2373, 0.2693



## Tritanomaly

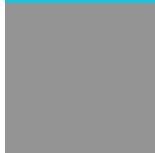
45.5017, 0.2170, 0.2997

# Monochromacy



## Original Color

45.4965, 0.2154, 0.2902



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

33.2906, 0.2543, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4965, 0.2154, 0.2902 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(23, 197, 224)` looks like.

```
.text, #text, p{  
    color:rgb(23, 197, 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(23, 197, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 197, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4965, 0.2154, 0.2902 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(23, 197, 224) }
```

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

```
.border{ border-color:rgb(23, 197, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 197, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 197, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 197, 224);  
box-shadow:4px 4px 4px 4px rgb(23, 197,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4965, 0.2154, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 197, 224) }
```

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

```
.background{ background-color: rgb(23, 197,  
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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