

# Converting Colors

$Yxy(45.1644, 0.2180, 0.2746)$

Have a look what the booklet for  
Yxy(45.1644, 0.2180, 0.2746)  
contains.

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# Color

**Yxy(45.0561, 0.2180, 0.2748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40C1E8
RGB	64, 193, 232
RGB Percent	25%, 76%, 91%
CMY	0.7496, 0.2431, 0.0902
CMYK	0.72, 0.17, 0.00, 0.09
HSL	194°, 79%, 58%
HSV	194°, 72%, 91%
XYZ	35.7432, 45.0561, 83.1603
YIQ	158.8750, -89.4030, -15.2190

# Conversions

## Conversions Part 2

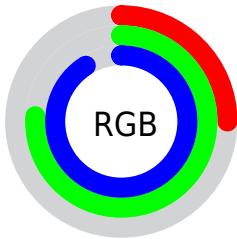
Format	Color
R <sub>Y</sub> B	64, 137, 232
Decimal	4243944
CIE Lab	72.93, -22.41, -29.49
CIE LCh	73, 37.041, 232.766
Yxy	45.0561, 0.2180, 0.2748
Android (android.graphics.Color)	4282434024 (0xFF40C1E8)
YUV	158.8750, 36.0506, -83.2054
Hunter-Lab	67.1238, -22.4161, -26.4682

# Details

The Yxy color **45.0561, 0.2180, 0.2748** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **27.1973, 0.5257, 0.3663**, and the grayscale version is **34.4580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5778, 0.2482, 0.3231**, and **21.5998, 0.2056, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **42.1008, 0.2110, 0.2661**, and if you desaturate by 10%, it is **48.4241, 0.2270, 0.2834**.

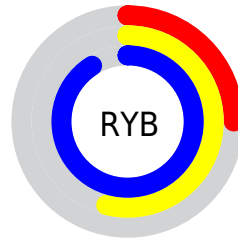
# Distribution



Red (25%)

Green (76%)

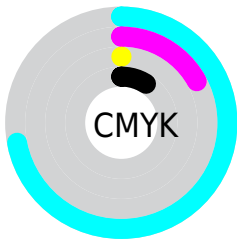
Blue (91%)



Red (25%)

Yellow (54%)

Blue (91%)

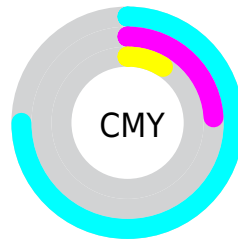


Cyan (72%)

Magenta (17%)

Yellow (0%)

Black (9%)



Cyan (75%)

Magenta (24%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0561, 0.2180, 0.2748 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 45.0561, 0.2180, 0.2748 by changing the saturation by 10% instead.



45.0561, 0.2180,  
0.2748

45.0561, 0.2180,  
0.2748

367.0007, 0.2635,  
0.3029

31.5016, 0.2074,  
0.2677

82.8046, 0.2340,  
0.2851

20.9811, 0.1942,  
0.2585

107.7674, 0.2402,  
0.2890

13.1102, 0.1775,  
0.2464

137.3017, 0.2455,  
0.2922

7.5045, 0.1558,  
0.2296

171.7920, 0.2500,  
0.2950

3.7795, 0.1271,  
0.2055

211.6227, 0.2540,  
0.2973

1.5510, 0.0887,  
0.1692

257.1781, 0.2576,

0.3242, 0.0000,

0.2994

0.0904

308.8426, 0.2607,  
0.3012

0.0000, 0.0000,  
0.0000

45.0561, 0.2180,  
0.2748

45.0561, 0.2180,  
0.2748

42.1008, 0.2110,  
0.2661

48.4241, 0.2270,  
0.2834

39.5095, 0.2059,  
0.2576

52.2368, 0.2378,  
0.2918

37.7482, 0.2031,  
0.2512

56.5276, 0.2502,  
0.3000

61.3251, 0.2638,  
0.3077

66.6554, 0.2784,  
0.3149

■ 72.5425, 0.2935,  
0.3215

■ 79.0087, 0.3089,  
0.3276

■ 86.0753, 0.3243,  
0.3331

■ 90.2554, 0.3275,  
0.3383

# Harmonies

## Analogous

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



45.0561, 0.2286, 0.3183



45.0561, 0.2180, 0.2748



45.0561, 0.2296, 0.2506

# Triad

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



45.0561, 0.2180, 0.2748



45.0561, 0.3634, 0.2905



45.0561, 0.3594, 0.4239

# Complementary

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



45.0561, 0.2180, 0.2748



27.1973, 0.5257, 0.3663

# 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.



45.0561, 0.4000, 0.4058



45.0561, 0.2180, 0.2748



45.0561, 0.4040, 0.3291

# Square

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



45.0561, 0.2180, 0.2748



45.0561, 0.3102, 0.2613



45.0561, 0.4173, 0.3703



45.0561, 0.3082, 0.4123



# Rectangle

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



45.0561, 0.2180, 0.2748



45.0561, 0.2490, 0.2459



45.0561, 0.4173, 0.3703



45.0561, 0.3748, 0.4207

# Sweetspot

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



45.0577, 0.2180, 0.2748



82.8469, 0.2789, 0.3151



59.7278, 0.2896, 0.5198



17.3315, 0.2749, 0.3132



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

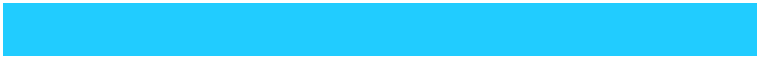


# Same Dimension

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



45.0577, 0.2180, 0.2748



50.5190, 0.2082, 0.2619



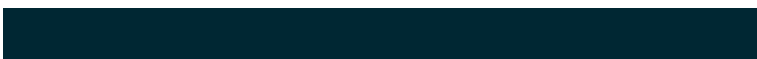
18.3911, 0.1875, 0.1539



15.7399, 0.2981, 0.3234



21.1558, 0.2035, 0.2525



1.7014, 0.2070, 0.2650



# Inverse Universe

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



24.6590, 0.3659, 0.2017



26.6942, 0.3799, 0.1927



51.9585, 0.4451, 0.4498



14.5550, 0.3173, 0.3111



11.3334, 0.3897, 0.1920

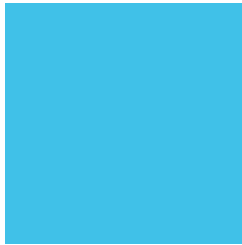


0.8514, 0.3776, 0.1854



# Previews

## White Background



This preview shows how the Yxy color 45.0561, 0.2180, 0.2748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

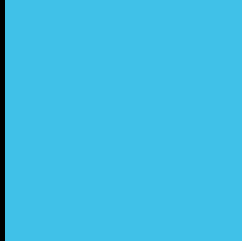
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0561, 0.2180, 0.2748 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 45.0561, 0.2180, 0.2748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.0561, 0.2180, 0.2748.

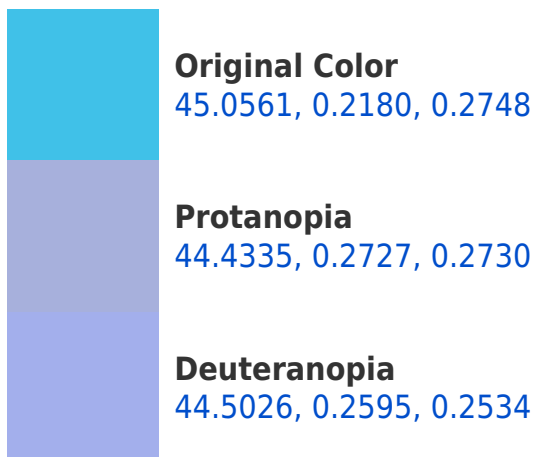


This preview shows how white text looks on a background with the Yxy color 45.0561, 0.2180, 0.2748.

# 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





## Tritanopia

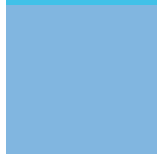
44.8863, 0.2238, 0.3054

# Trichromacy



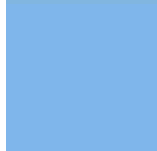
## Original Color

45.0561, 0.2180, 0.2748



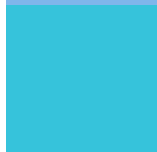
## Protanomaly

43.5048, 0.2459, 0.2726



## Deuteranomaly

43.9661, 0.2389, 0.2596



## Tritanomaly

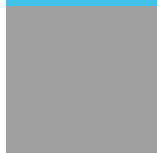
44.9290, 0.2216, 0.2943

# Monochromacy



## Original Color

45.0561, 0.2180, 0.2748



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

36.9561, 0.2631, 0.3064

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0561, 0.2180, 0.2748 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(64, 193, 232)` looks like.

```
.text, #text, p{  
    color:rgb(64, 193, 232)  
}
```

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(64, 193, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 193, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0561, 0.2180, 0.2748 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(64, 193, 232) }
```

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

```
.border{ border-color:rgb(64, 193, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 193, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 193, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 193, 232);  
box-shadow:4px 4px 4px 4px rgb(64, 193,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0561, 0.2180, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 193, 232) }
```

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

```
.background{ background-color: rgb(64, 193,  
232) }
```

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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