

# Converting Colors

$Yxy(46.4302, 0.2247, 0.2936)$

Have a look what the booklet for  
Yxy(46.4302, 0.2247, 0.2936)  
contains.

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# Color

**Yxy(46.4354, 0.2247, 0.2936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44C5DE
RGB	68, 197, 222
RGB Percent	27%, 77%, 87%
CMY	0.7329, 0.2275, 0.1295
CMYK	0.69, 0.11, 0.00, 0.13
HSL	190°, 70%, 57%
HSV	190°, 69%, 87%
XYZ	35.5383, 46.4354, 76.1851
YIQ	161.2790, -84.9090, -19.5730

# Conversions

## Conversions Part 2

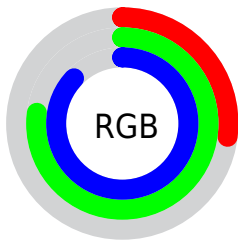
Format	Color
R <sub>YB</sub>	68, 138, 222
Decimal	4507102
CIE Lab	73.83, -26.98, -22.68
CIE LCh	74, 35.244, 220.056
Yxy	46.4354, 0.2247, 0.2936
Android (android.graphics.Color)	4282697182 (0xFF44C5DE)
YUV	161.2790, 29.9355, -81.8057
Hunter-Lab	68.1435, -26.1597, -18.5863

# Details

The Yxy color **46.4354, 0.2247, 0.2936** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.7913, 0.5229, 0.3545**, and the grayscale version is **35.6787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2545, 0.2499, 0.3277**, and **22.4349, 0.2120, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **44.1655, 0.2180, 0.2878**, and if you desaturate by 10%, it is **49.0500, 0.2333, 0.2994**.

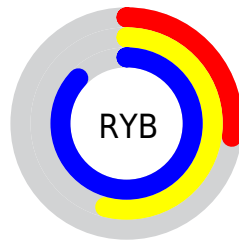
# Distribution



Red (27%)

Green (77%)

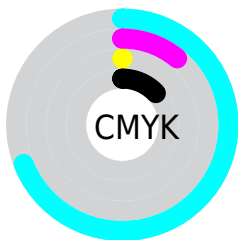
Blue (87%)



Red (27%)

Yellow (54%)

Blue (87%)

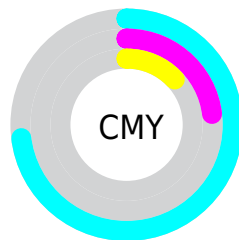


Cyan (69%)

Magenta (11%)

Yellow (0%)

Black (13%)



Cyan (73%)

Magenta (23%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4354, 0.2247, 0.2936 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 46.4354, 0.2247, 0.2936 by changing the saturation by 10% instead.




 46.4354, 0.2247,  
0.2936


 46.4354, 0.2247,  
0.2936


372.5563, 0.2670,  
0.3125


 32.5895, 0.2147,  
0.2886


 84.8702, 0.2397,  
0.3007

 21.8122, 0.2023,  
0.2821


 110.2280, 0.2454,  
0.3033

 13.7190, 0.1865,  
0.2733

 140.1919, 0.2503,  
0.3054

 7.9255, 0.1657,  
0.2608

 175.1462, 0.2546,  
0.3073

 4.0473, 0.1377,  
0.2420

215.4754, 0.2583,  
0.3089

 1.7001, 0.0991,  
0.2116

261.5639, 0.2616,

 0.4237, 0.0000,

0.3102

0.1448

313.7961, 0.2645,  
0.3114

0.0000, 0.0000,  
0.0000

46.4354, 0.2247,  
0.2936

46.4354, 0.2247,  
0.2936

44.1655, 0.2180,  
0.2878

49.0500, 0.2333,  
0.2994

42.1988, 0.2133,  
0.2819

52.0350, 0.2437,  
0.3051

40.4778, 0.2101,  
0.2762

55.4191, 0.2557,  
0.3106

40.3645, 0.2099,  
0.2758

59.2268, 0.2691,  
0.3158

63.4801, 0.2834,  
0.3206

■ 68.1997, 0.2984,  
0.3252

■ 73.4049, 0.3138,  
0.3293

■ 79.1137, 0.3293,  
0.3330

■ 82.8151, 0.3355,  
0.3365

# Harmonies

## Analogous

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



46.4354, 0.2438, 0.3400



46.4354, 0.2247, 0.2936



46.4354, 0.2268, 0.2623

# Triad

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



46.4354, 0.2247, 0.2936



46.4354, 0.3398, 0.2794



46.4354, 0.3752, 0.4142

# Complementary

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



46.4354, 0.2247, 0.2936



23.7913, 0.5229, 0.3545

# 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.



46.4354, 0.4053, 0.3890



46.4354, 0.2247, 0.2936



46.4354, 0.3850, 0.3131

# Square

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



46.4354, 0.2247, 0.2936



46.4354, 0.2898, 0.2571



46.4354, 0.4096, 0.3521



46.4354, 0.3296, 0.4156



# Rectangle

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



46.4354, 0.2247, 0.2936



46.4354, 0.2398, 0.2522



46.4354, 0.4096, 0.3521



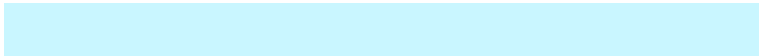
46.4354, 0.3875, 0.4078

# Sweetspot

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



46.4371, 0.2247, 0.2936



85.7968, 0.2807, 0.3198



54.2256, 0.2940, 0.5242



18.0106, 0.2767, 0.3184



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

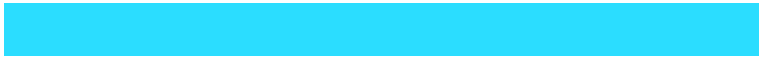


# Same Dimension

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



46.4371, 0.2247, 0.2936



59.2596, 0.2157, 0.2852



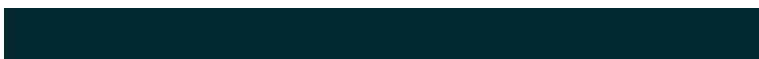
20.4164, 0.1963, 0.1779



15.1735, 0.2982, 0.3251



24.1179, 0.2102, 0.2766



1.7743, 0.2127, 0.2855



# Inverse Universe

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



23.7056, 0.3489, 0.1957



28.2141, 0.3579, 0.1832



43.9982, 0.4484, 0.4365



13.8954, 0.3162, 0.3096



11.3428, 0.3666, 0.1793

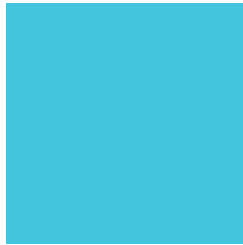


0.7966, 0.3584, 0.1748



# Previews

## White Background



This preview shows how the Yxy color 46.4354, 0.2247, 0.2936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

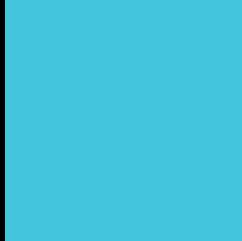
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.4354, 0.2247, 0.2936 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 46.4354, 0.2247, 0.2936**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.4354, 0.2247, 0.2936.



This preview shows how white text looks on a background with the Yxy color 46.4354, 0.2247, 0.2936.

# 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

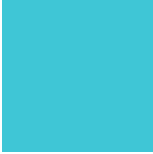
46.4354, 0.2247, 0.2936

### Protanopia

45.8920, 0.2851, 0.2895

### Deuteranopia

45.9890, 0.2733, 0.2672



## Tritanopia

46.3000, 0.2271, 0.3058

# Trichromacy



## Original Color

46.4354, 0.2247, 0.2936



## Protanomaly

45.1237, 0.2560, 0.2910



## Deuteranomaly

44.8681, 0.2493, 0.2747



## Tritanomaly

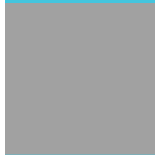
46.5217, 0.2263, 0.3017

# Monochromacy



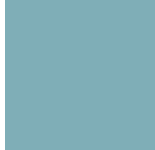
## Original Color

46.4354, 0.2247, 0.2936



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

38.2030, 0.2678, 0.3155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4354, 0.2247, 0.2936 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(68, 197, 222)` looks like.

```
.text, #text, p{  
    color:rgb(68, 197, 222)  
}
```

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(68, 197, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 197, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4354, 0.2247, 0.2936 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(68, 197, 222) }
```

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

```
.border{ border-color:rgb(68, 197, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 197, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 197, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 197, 222);  
box-shadow:4px 4px 4px 4px rgb(68, 197,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4354, 0.2247, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 197, 222) }
```

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

```
.background{ background-color: rgb(68, 197,  
222) }
```

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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