

# Converting Colors

$Yxy(54.8675, 0.2353, 0.2836)$

Have a look what the booklet for  
Yxy(54.8675, 0.2353, 0.2836)  
contains.

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# Color

**Yxy(54.6741, 0.2353, 0.2832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72CFF3
RGB	114, 207, 243
RGB Percent	45%, 81%, 95%
CMY	0.5531, 0.1882, 0.0470
CMYK	0.53, 0.15, 0.00, 0.05
HSL	197°, 84%, 70%
HSV	197°, 53%, 95%
XYZ	45.4266, 54.6741, 92.9576
YIQ	183.2970, -66.9840, -8.5200

# Conversions

## Conversions Part 2

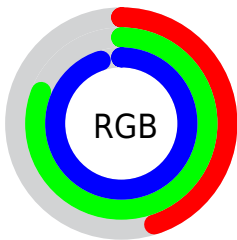
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">114, 168, 243</a>
Decimal	<a href="#">7524339</a>
CIELab	<a href="#">78.85, -17.92, -26.19</a>
CIElCh	<a href="#">79, 31.737, 235.613</a>
Yxy	<a href="#">54.6741, 0.2353, 0.2832</a>
Android (android.graphics.Color)	<a href="#">4285714419</a> ( <a href="#">0xFF72CFF3</a> )
YUV	<a href="#">183.2970, 29.4336, -60.7735</a>
Hunter-Lab	<a href="#">73.9419, -19.7360, -22.7782</a>

# Details

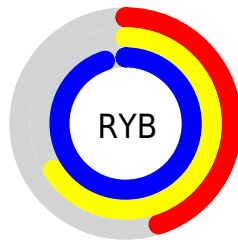
The Yxy color **54.6741, 0.2353, 0.2832** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.0711, 0.4453, 0.3680**, and the grayscale version is **47.3849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **27.0233, 0.2168, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **50.0431, 0.2239, 0.2729**, and if you desaturate by 10%, it is **59.8830, 0.2482, 0.2932**.

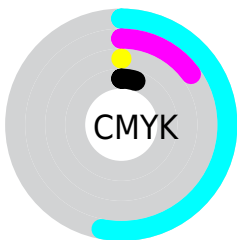
# Distribution



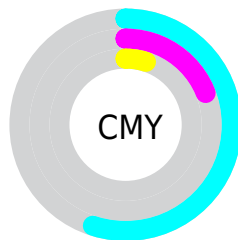
- Red (45%)
- Green (81%)
- Blue (95%)



- Red (45%)
- Yellow (66%)
- Blue (95%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)




- Cyan (55%)
- Magenta (19%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6741, 0.2353, 0.2832 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 54.6741, 0.2353, 0.2832 by changing the saturation by 10% instead.




 54.6741, 0.2353,  
0.2832


 54.6741, 0.2353,  
0.2832


404.6754, 0.2717,  
0.3060


 39.1409, 0.2269,  
0.2776

 97.0633, 0.2480,  
0.2914

 26.8693, 0.2166,  
0.2706


 124.6880, 0.2529,  
0.2945

 17.4751, 0.2036,  
0.2614


 157.1121, 0.2571,  
0.2972

 10.5738, 0.1868,  
0.2489

194.7198, 0.2608,  
0.2994

 5.7810, 0.1642,  
0.2314

237.8956, 0.2640,  
0.3014

 2.7124, 0.1332,  
0.2052

287.0238, 0.2669,

 0.9835, 0.0829,

0.3031

0.1651

342.4890, 0.2694,  
0.3047

0.0000, 0.0000,  
0.0000

54.6741, 0.2353,  
0.2832

54.6741, 0.2353,  
0.2832

50.0431, 0.2239,  
0.2729

59.8830, 0.2482,  
0.2932

45.9469, 0.2144,  
0.2623

65.6966, 0.2622,  
0.3026

42.3453, 0.2068,  
0.2516

72.1470, 0.2771,  
0.3114


39.1872, 0.2012,  
0.2411


79.2619, 0.2924,  
0.3195

37.2154, 0.1983,  
0.2339

87.0672, 0.3079,  
0.3269

 94.6716, 0.3202,  
0.3335

 98.9089, 0.3197,  
0.3400

 99.2515, 0.3197,  
0.3405

# Harmonies

## Analogous

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



54.6741, 0.2426, 0.3174



54.6741, 0.2353, 0.2832



54.6741, 0.2467, 0.2642

# Triad

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



54.6741, 0.2353, 0.2832



54.6741, 0.3573, 0.3006



54.6741, 0.3474, 0.4050

# Complementary

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



54.6741, 0.2353, 0.2832



42.0711, 0.4453, 0.3680

# 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.



54.6741, 0.3811, 0.3939



54.6741, 0.2353, 0.2832



54.6741, 0.3879, 0.3332

# Square

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



54.6741, 0.2353, 0.2832



54.6741, 0.3152, 0.2753



54.6741, 0.3966, 0.3668



54.6741, 0.3058, 0.3925



# Rectangle

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



54.6741, 0.2353, 0.2832



54.6741, 0.2639, 0.2610



54.6741, 0.3966, 0.3668



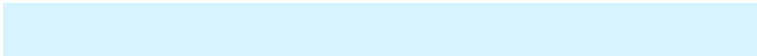
54.6741, 0.3601, 0.4036

# Sweetspot

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



54.6761, 0.2353, 0.2832



86.0180, 0.2879, 0.3172



69.8305, 0.2890, 0.4549



18.0573, 0.2847, 0.3155



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.



54.6761, 0.2353, 0.2832



55.3180, 0.2228, 0.2717



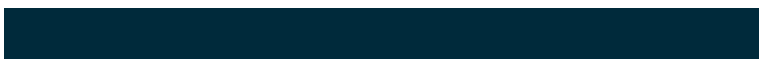
30.0157, 0.2178, 0.1975



17.9305, 0.2980, 0.3222



20.6626, 0.1988, 0.2356



1.9886, 0.2024, 0.2487



# Inverse Universe

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



35.5880, 0.3548, 0.2328



33.5066, 0.3671, 0.2172



67.8069, 0.4056, 0.4313



16.6848, 0.3181, 0.3121



12.1853, 0.4068, 0.2015

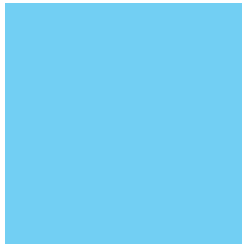


1.0884, 0.3935, 0.1942



# Previews

## White Background



This preview shows how the Yxy color 54.6741, 0.2353, 0.2832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

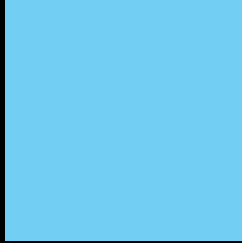
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.6741, 0.2353, 0.2832 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 54.6741, 0.2353, 0.2832**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.6741, 0.2353, 0.2832.



This preview shows how white text looks on a background with the Yxy color 54.6741, 0.2353, 0.2832.

# 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

54.6741, 0.2353, 0.2832

### Protanopia

53.8968, 0.2788, 0.2805

### Deuteranopia

53.9814, 0.2706, 0.2634



## Tritanopia

54.8274, 0.2409, 0.3065

# Trichromacy



**Original Color**

54.6741, 0.2353, 0.2832

**Protanomaly**

53.4179, 0.2597, 0.2800

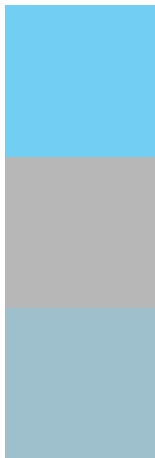
**Deuteranomaly**

53.6073, 0.2552, 0.2689

**Tritanomaly**

54.7991, 0.2387, 0.2977

# Monochromacy



**Original Color**

54.6741, 0.2353, 0.2832

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

49.3762, 0.2777, 0.3119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6741, 0.2353, 0.2832 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(114, 207, 243)` looks like.

```
.text, #text, p{  
    color:rgb(114, 207, 243)  
}
```

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(114, 207, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 207, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6741, 0.2353, 0.2832 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(114, 207, 243) }
```

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

```
.border{ border-color:rgb(114, 207, 243) }
```

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

Here you see how a box with a 4 pixel rgb(114, 207, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 207, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 207, 243);  
box-shadow:4px 4px 4px 4px rgb(114, 207,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6741, 0.2353, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 207, 243) }
```

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

```
.background{ background-color: rgb(114,  
207, 243) }
```

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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