

# Converting Colors

$Yxy(54.9927, 0.2369, 0.2877)$

Have a look what the booklet for  
Yxy(54.9927, 0.2369, 0.2877)  
contains.

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# Color

**Yxy(54.9804, 0.2369, 0.2881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72D0F0
RGB	114, 208, 240
RGB Percent	45%, 82%, 94%
CMY	0.5534, 0.1842, 0.0589
CMYK	0.53, 0.13, 0.00, 0.06
HSL	195°, 81%, 69%
HSV	195°, 53%, 94%
XYZ	45.2095, 54.9804, 90.6480
YIQ	183.5420, -66.2960, -9.9760

# Conversions

## Conversions Part 2

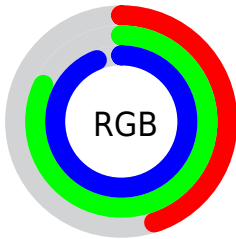
Format	Color
<a href="#">RYB</a>	<a href="#">114, 168, 240</a>
Decimal	<a href="#">7524592</a>
CIELab	<a href="#">79.03, -19.31, -24.30</a>
CIElCh	<a href="#">79, 31.040, 231.529</a>
Yxy	<a href="#">54.9804, 0.2369, 0.2881</a>
Android (android.graphics.Color)	<a href="#">4285714672 (0xFF72D0F0)</a>
YUV	<a href="#">183.5420, 27.8338, -60.9883</a>
Hunter-Lab	<a href="#">74.1488, -20.9265, -20.5788</a>

# Details

The Yxy color **54.9804, 0.2369, 0.2881** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.2440, 0.4453, 0.3641**, and the grayscale version is **47.5252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **26.8961, 0.2183, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **50.6711, 0.2258, 0.2788**, and if you desaturate by 10%, it is **59.8294, 0.2495, 0.2971**.

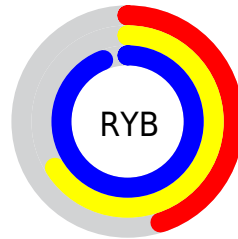
# Distribution



Red (45%)

Green (82%)

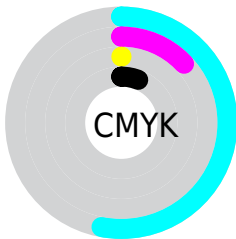
Blue (94%)



Red (45%)

Yellow (66%)

Blue (94%)

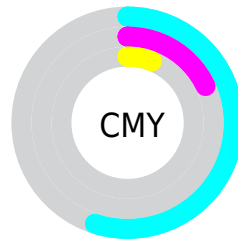


Cyan (53%)

Magenta (13%)

Yellow (0%)

Black (6%)



Cyan (55%)

Magenta (18%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9804, 0.2369, 0.2881 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 54.9804, 0.2369, 0.2881 by changing the saturation by 10% instead.





 54.9804, 0.2369,  
0.2881


 54.9804, 0.2369,  
0.2881


405.8376, 0.2725,  
0.3086

 39.3860, 0.2287,  
0.2830

 97.5122, 0.2493,  
0.2955

 27.0602, 0.2186,  
0.2766


 125.2185, 0.2541,  
0.2983

 17.6184, 0.2058,  
0.2682


 157.7308, 0.2583,  
0.3007

 10.6764, 0.1892,  
0.2568

195.4337, 0.2619,  
0.3027

 5.8497, 0.1669,  
0.2405

238.7114, 0.2650,  
0.3045

 2.7539, 0.1361,  
0.2158

287.9483, 0.2678,

 1.0046, 0.0846,

0.3060

0.1775

343.5289, 0.2703,  
0.3074

0.0000, 0.0000,  
0.0000

54.9804, 0.2369,  
0.2881

54.9804, 0.2369,  
0.2881

50.6711, 0.2258,  
0.2788

59.8294, 0.2495,  
0.2971

46.8604, 0.2165,  
0.2693

65.2433, 0.2634,  
0.3055

43.5100, 0.2092,  
0.2597


71.2529, 0.2781,  
0.3135

40.5717, 0.2038,  
0.2502


77.8844, 0.2933,  
0.3208

38.5932, 0.2009,  
0.2432

85.1625, 0.3088,  
0.3274

 92.5605, 0.3223,  
0.3334

 96.2914, 0.3218,  
0.3393

 99.0699, 0.3215,  
0.3435

# Harmonies

## Analogous

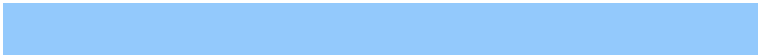
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9804, 0.2466, 0.3231



54.9804, 0.2369, 0.2881



54.9804, 0.2456, 0.2673

# Triad

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



54.9804, 0.2369, 0.2881



54.9804, 0.3510, 0.2973



54.9804, 0.3519, 0.4029

# Complementary

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



54.9804, 0.2369, 0.2881



40.2440, 0.4453, 0.3641

# 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.



54.9804, 0.3828, 0.3896



54.9804, 0.2369, 0.2881



54.9804, 0.3831, 0.3286

# Square

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



54.9804, 0.2369, 0.2881



54.9804, 0.3095, 0.2739



54.9804, 0.3948, 0.3618



54.9804, 0.3116, 0.3939



# Rectangle

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



54.9804, 0.2369, 0.2881



54.9804, 0.2610, 0.2625



54.9804, 0.3948, 0.3618



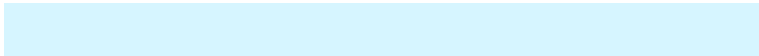
54.9804, 0.3638, 0.4006

# Sweetspot

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



54.9825, 0.2369, 0.2881



86.6454, 0.2879, 0.3183



67.9334, 0.2902, 0.4561



18.2078, 0.2848, 0.3168



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.



54.9825, 0.2369, 0.2881



57.8560, 0.2251, 0.2782



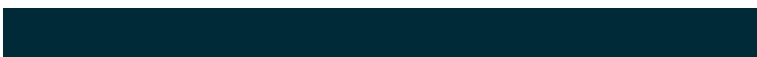
30.2373, 0.2195, 0.2021



17.2111, 0.2981, 0.3229



21.3549, 0.2013, 0.2448



1.9341, 0.2048, 0.2572



# Inverse Universe

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



35.0866, 0.3507, 0.2307



34.1974, 0.3612, 0.2150



65.0676, 0.4057, 0.4284



15.9590, 0.3177, 0.3115



11.9491, 0.3975, 0.1963

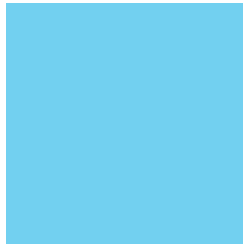


1.0100, 0.3852, 0.1895



# Previews

## White Background



This preview shows how the Yxy color 54.9804, 0.2369, 0.2881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

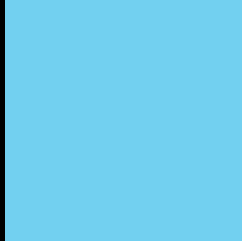
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9804, 0.2369, 0.2881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

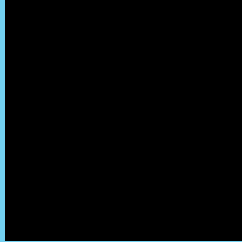
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.9804, 0.2369, 0.2881**

## Background



This preview shows how black text looks on a background with the Yxy color 54.9804, 0.2369, 0.2881.

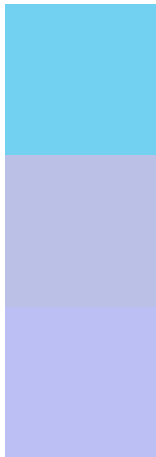


This preview shows how white text looks on a background with the Yxy color 54.9804, 0.2369, 0.2881.

# 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

54.9804, 0.2369, 0.2881

### Protanopia

54.4179, 0.2822, 0.2852

### Deuteranopia

54.4846, 0.2739, 0.2679



## Tritanopia

54.8904, 0.2413, 0.3065

# Trichromacy



**Original Color**

54.9804, 0.2369, 0.2881

**Protanomaly**

53.8023, 0.2622, 0.2847

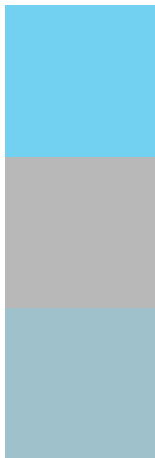
**Deuteranomaly**

53.9806, 0.2576, 0.2735

**Tritanomaly**

54.8066, 0.2396, 0.2989

# Monochromacy



**Original Color**

54.9804, 0.2369, 0.2881

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

49.8705, 0.2792, 0.3145

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9804, 0.2369, 0.2881 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, 208, 240)` looks like.

```
.text, #text, p{  
    color:rgb(114, 208, 240)  
}
```

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, 208, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 208, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9804, 0.2369, 0.2881 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, 208, 240) }
```

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

```
.border{ border-color:rgb(114, 208, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 208, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 208, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 208, 240); box-shadow:4px 4px 4px 4px rgb(114, 208, 240) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9804, 0.2369, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 208, 240) }
```

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

```
.background{ background-color: rgb(114,  
208, 240) }
```

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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