

# Converting Colors

$Yxy(60.3662, 0.2321, 0.2974)$

Have a look what the booklet for  
Yxy(60.3662, 0.2321, 0.2974)  
contains.

<b>Yxy(60.3756, 0.2320, 0.2974)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.3756, 0.2320, 0.2974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62DCF5
RGB	98, 220, 245
RGB Percent	38%, 86%, 96%
CMY	0.6161, 0.1372, 0.0393
CMYK	0.60, 0.10, 0.00, 0.04
HSL	190°, 88%, 67%
HSV	190°, 60%, 96%
XYZ	47.0987, 60.3756, 95.5372
YIQ	186.3720, -80.7370, -18.0890

# Conversions

## Conversions Part 2

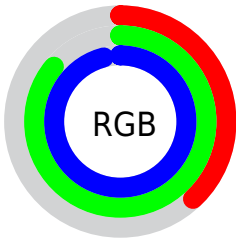
Format	Color
R <sub>Y</sub> B	98, 165, 245
Decimal	6479093
CIE Lab	82.04, -26.93, -22.43
CIE LCh	82, 35.049, 219.793
Yxy	60.3756, 0.2320, 0.2974
Android (android.graphics.Color)	4284669173 (0xFF62DCF5)
YUV	186.3720, 28.9036, -77.5022
Hunter-Lab	77.7017, -27.7809, -18.5080

# Details

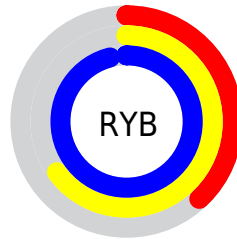
The Yxy color **60.3756, 0.2320, 0.2974** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.4144, 0.4835, 0.3547**, and the grayscale version is **49.1752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **30.5844, 0.2134, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **57.0642, 0.2234, 0.2913**, and if you desaturate by 10%, it is **64.1624, 0.2424, 0.3034**.

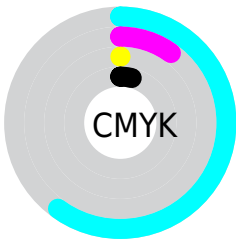
# Distribution



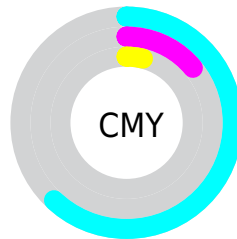
- Red (38%)
- Green (86%)
- Blue (96%)



- Red (38%)
- Yellow (65%)
- Blue (96%)



- Cyan (60%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)




- Cyan (62%)
- Magenta (14%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3756, 0.2320, 0.2974 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 60.3756, 0.2320, 0.2974 by changing the saturation by 10% instead.




 60.3756, 0.2320,  
0.2974

 60.3756, 0.2320,  
0.2974


425.9808, 0.2693,  
0.3135


 43.7214, 0.2236,  
0.2934


 105.3743, 0.2449,  
0.3033

 30.4516, 0.2133,  
0.2882


 134.4877, 0.2499,  
0.3055

 20.1816, 0.2004,  
0.2815


 168.5229, 0.2542,  
0.3073

 12.5271, 0.1839,  
0.2723

207.8644, 0.2580,  
0.3089

 7.1037, 0.1621,  
0.2590

252.8966, 0.2613,  
0.3103

 3.5271, 0.1325,  
0.2389

304.0037, 0.2643,

 1.4127, 0.0890,

0.3115

0.2063

361.5704, 0.2669,  
0.3126

0.2261, 0.0000,  
0.0977

0.0000, 0.0000,  
0.0000

60.3756, 0.2320,  
0.2974

60.3756, 0.2320,  
0.2974

57.0642, 0.2234,  
0.2913

64.1624, 0.2424,  
0.3034

54.1816, 0.2168,  
0.2851


68.4528, 0.2544,  
0.3092


51.6827, 0.2122,  
0.2790


73.2802, 0.2678,  
0.3147

49.4975, 0.2092,  
0.2729


78.6732, 0.2821,  
0.3199

 84.6581, 0.2972,  
0.3246

 91.2597, 0.3126,  
0.3290

 95.6733, 0.3189,  
0.3330

 98.2729, 0.3186,  
0.3370

 99.3711, 0.3185,  
0.3386

# Harmonies

## Analogous

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



60.3756, 0.2500, 0.3397



60.3756, 0.2320, 0.2974



60.3756, 0.2337, 0.2683

# Triad

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



60.3756, 0.2320, 0.2974



60.3756, 0.3371, 0.2833



60.3756, 0.3704, 0.4066

# Complementary

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



60.3756, 0.2320, 0.2974



34.4144, 0.4835, 0.3547

# 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.



60.3756, 0.3974, 0.3841



60.3756, 0.2320, 0.2974



60.3756, 0.3782, 0.3144

# Square

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



60.3756, 0.2320, 0.2974



60.3756, 0.2916, 0.2627



60.3756, 0.4008, 0.3503



60.3756, 0.3289, 0.4075



# Rectangle

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



60.3756, 0.2320, 0.2974



60.3756, 0.2456, 0.2587



60.3756, 0.4008, 0.3503



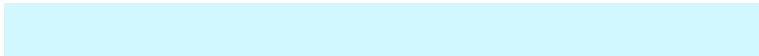
60.3756, 0.3815, 0.4010

# Sweetspot

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



60.3778, 0.2320, 0.2974



87.4413, 0.2851, 0.3208



69.2956, 0.2938, 0.4941



18.3251, 0.2808, 0.3194



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.



60.3778, 0.2320, 0.2974



61.8049, 0.2219, 0.2900



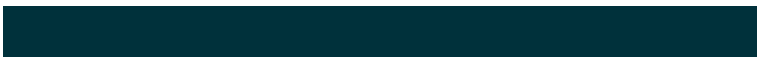
30.0224, 0.2094, 0.1970



18.2512, 0.2980, 0.3249



26.8501, 0.2094, 0.2739



2.4837, 0.2116, 0.2816



# Inverse Universe

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



33.2903, 0.3444, 0.2088



31.1911, 0.3525, 0.1930



59.7431, 0.4279, 0.4291



16.7172, 0.3164, 0.3096



12.8099, 0.3691, 0.1807

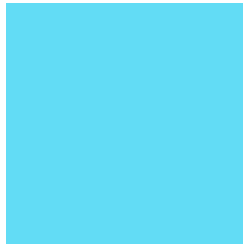


1.1384, 0.3620, 0.1768



# Previews

## White Background



This preview shows how the Yxy color 60.3756, 0.2320, 0.2974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

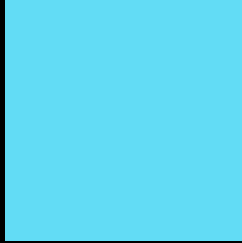
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.3756, 0.2320, 0.2974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

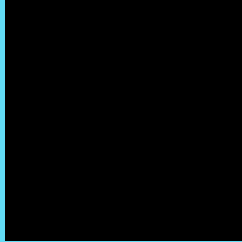
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.3756, 0.2320, 0.2974**

## Background



This preview shows how black text looks on a background with the Yxy color 60.3756, 0.2320, 0.2974.



This preview shows how white text looks on a background with the Yxy color 60.3756, 0.2320, 0.2974.

# 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

60.3756, 0.2320, 0.2974

### Protanopia

59.4698, 0.2885, 0.2934

### Deuteranopia

59.4324, 0.2784, 0.2712



## Tritanopia

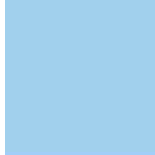
60.3778, 0.2338, 0.3058

# Trichromacy



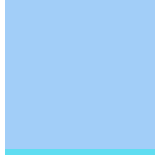
## Original Color

60.3756, 0.2320, 0.2974



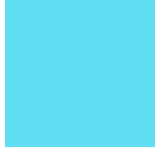
## Protanomaly

58.8032, 0.2626, 0.2940



## Deuteranomaly

58.6013, 0.2570, 0.2793



## Tritanomaly

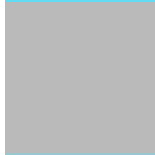
60.5506, 0.2333, 0.3034

# Monochromacy



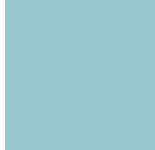
## Original Color

60.3756, 0.2320, 0.2974



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.7632, 0.2744, 0.3172

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3756, 0.2320, 0.2974 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(98, 220, 245)` looks like.

```
.text, #text, p{  
    color:rgb(98, 220, 245)  
}
```

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(98, 220, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 220, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3756, 0.2320, 0.2974 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(98, 220, 245) }
```

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

```
.border{ border-color:rgb(98, 220, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 220, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 220, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 220, 245);  
box-shadow:4px 4px 4px 4px rgb(98, 220,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3756, 0.2320, 0.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 220, 245) }
```

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

```
.background{ background-color: rgb(98, 220,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor