

# Converting Colors

$Yxy(51.5445, 0.2287, 0.2805)$

Have a look what the booklet for  
Yxy(51.5445, 0.2287, 0.2805)  
contains.

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# Color

**Yxy(51.5445, 0.2287, 0.2805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61CBF0
RGB	97, 203, 240
RGB Percent	38%, 80%, 94%
CMY	0.6191, 0.2040, 0.0587
CMYK	0.60, 0.15, 0.00, 0.06
HSL	196°, 83%, 66%
HSV	196°, 60%, 94%
XYZ	42.0258, 51.5445, 90.1891
YIQ	175.5240, -75.0530, -10.9650

# Conversions

## Conversions Part 2

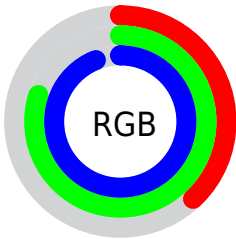
Format	Color
R <sub>Y</sub> B	97, 158, 240
Decimal	6409200
CIE Lab	77.01, -19.98, -27.47
CIE LCh	77, 33.968, 233.972
Yxy	51.5445, 0.2287, 0.2805
Android (android.graphics.Color)	4284599280 (0xFF61CBF0)
YUV	175.5240, 31.7867, -68.8655
Hunter-Lab	71.7945, -21.1533, -24.2246

# Details

The Yxy color **51.5445, 0.2287, 0.2805** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.4896, 0.4709, 0.3683**, and the grayscale version is **43.0337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **25.0137, 0.2083, 0.2670** is the 20% darker color. If you saturate the color by 10%, you get **47.5400, 0.2188, 0.2708**, and if you desaturate by 10%, it is **56.0696, 0.2404, 0.2899**.

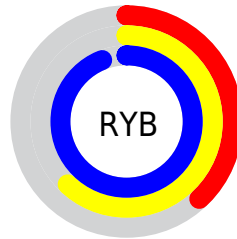
# Distribution



Red (38%)

Green (80%)

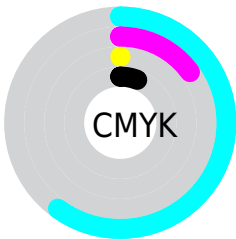
Blue (94%)



Red (38%)

Yellow (62%)

Blue (94%)

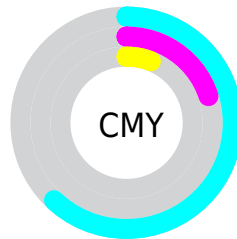


Cyan (60%)

Magenta (15%)

Yellow (0%)

Black (6%)



Cyan (62%)

Magenta (20%)

Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5445, 0.2287, 0.2805 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 51.5445, 0.2287, 0.2805 by changing the saturation by 10% instead.





 51.5445, 0.2287,  
0.2805


 51.5445, 0.2287,  
0.2805


392.6756, 0.2684,  
0.3050


 36.6421, 0.2195,  
0.2744

 92.4591, 0.2426,  
0.2894


 24.9305, 0.2082,  
0.2667


 119.2402, 0.2479,  
0.2927

 16.0253, 0.1939,  
0.2566


 150.7496, 0.2526,  
0.2956

 9.5421, 0.1754,  
0.2429

 187.3717, 0.2566,  
0.2980

 5.0964, 0.1508,  
0.2233

229.4910, 0.2601,  
0.3001

 2.3039, 0.1172,  
0.1941

277.4918, 0.2632,

 0.7758, 0.0485,

0.3019

0.1508

331.7585, 0.2659,  
0.3036

0.0000, 0.0000,  
0.0000

51.5445, 0.2287,  
0.2805

51.5445, 0.2287,  
0.2805

47.5400, 0.2188,  
0.2708

56.0696, 0.2404,  
0.2899

44.0119, 0.2107,  
0.2610

61.1435, 0.2535,  
0.2990

40.9164, 0.2047,  
0.2512


66.7987, 0.2677,  
0.3075


38.1815, 0.2005,  
0.2416


73.0632, 0.2826,  
0.3154

38.0592, 0.2003,  
0.2412

79.9629, 0.2980,  
0.3227

 87.5220, 0.3134,  
0.3293

 93.7890, 0.3221,  
0.3353

 97.6480, 0.3216,  
0.3413

 99.0726, 0.3214,  
0.3434

# Harmonies

## Analogous

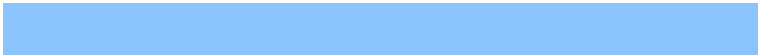
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.5445, 0.2376, 0.3184



51.5445, 0.2287, 0.2805



51.5445, 0.2399, 0.2592

# Triad

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



51.5445, 0.2287, 0.2805



51.5445, 0.3590, 0.2963



51.5445, 0.3526, 0.4121

# Complementary

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



51.5445, 0.2287, 0.2805



36.4896, 0.4709, 0.3683

# 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.



51.5445, 0.3886, 0.3982



51.5445, 0.2287, 0.2805



51.5445, 0.3936, 0.3311

# Square

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



51.5445, 0.2287, 0.2805



51.5445, 0.3127, 0.2697



51.5445, 0.4044, 0.3677



51.5445, 0.3074, 0.4002



# Rectangle

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



51.5445, 0.2287, 0.2805



51.5445, 0.2578, 0.2552



51.5445, 0.4044, 0.3677



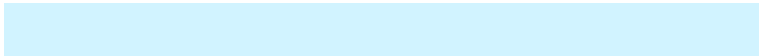
51.5445, 0.3662, 0.4100

# Sweetspot

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



51.5464, 0.2287, 0.2805



84.9531, 0.2849, 0.3165



66.5713, 0.2886, 0.4763



17.7118, 0.2804, 0.3143



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.



51.5464, 0.2287, 0.2805



53.8223, 0.2173, 0.2691



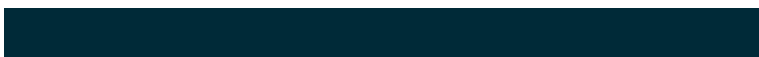
25.5748, 0.2067, 0.1821



17.1950, 0.2981, 0.3227



21.0563, 0.2008, 0.2427



1.9114, 0.2043, 0.2554



# Inverse Universe

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



31.4130, 0.3585, 0.2208



30.7087, 0.3708, 0.2067



62.7225, 0.4186, 0.4393



15.9574, 0.3178, 0.3117



11.9190, 0.3995, 0.1975

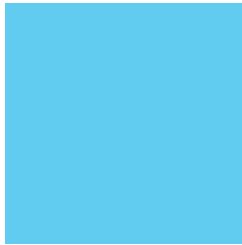


1.0077, 0.3869, 0.1905



# Previews

## White Background



This preview shows how the Yxy color 51.5445, 0.2287, 0.2805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

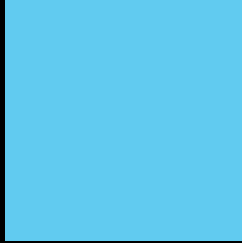
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5445, 0.2287, 0.2805 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 51.5445, 0.2287, 0.2805**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5445, 0.2287, 0.2805.



This preview shows how white text looks on a background with the Yxy color 51.5445, 0.2287, 0.2805.

# 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

51.5445, 0.2287, 0.2805

### Protanopia

50.9011, 0.2774, 0.2783

### Deuteranopia

51.1144, 0.2665, 0.2607



## Tritanopia

51.6440, 0.2344, 0.3057

# Trichromacy



**Original Color**

51.5445, 0.2287, 0.2805

**Protanomaly**

50.5072, 0.2557, 0.2786

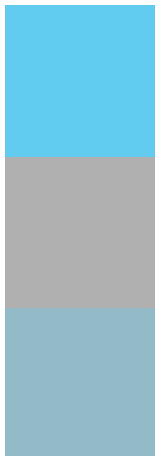
**Deuteranomaly**

50.5599, 0.2495, 0.2661

**Tritanomaly**

51.6469, 0.2326, 0.2967

# Monochromacy



**Original Color**

51.5445, 0.2287, 0.2805

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

45.4444, 0.2732, 0.3112

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5445, 0.2287, 0.2805 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(97, 203, 240)` looks like.

```
.text, #text, p{  
    color:rgb(97, 203, 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(97, 203, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 203, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5445, 0.2287, 0.2805 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(97, 203, 240) }
```

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

```
.border{ border-color:rgb(97, 203, 240) }
```

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

Here you see how a box with a 4 pixel rgb(97, 203, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 203, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 203, 240);  
box-shadow:4px 4px 4px 4px rgb(97, 203,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5445, 0.2287, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 203, 240) }
```

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

```
.background{ background-color: rgb(97, 203,  
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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