

# Converting Colors

$Yxy(60.5843, 0.2290, 0.2843)$

Have a look what the booklet for  
Yxy(60.5843, 0.2290, 0.2843)  
contains.

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# Color

**Yxy(60.7078, 0.2291, 0.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66DBFF
RGB	102, 219, 255
RGB Percent	40%, 86%, 100%
CMY	0.5995, 0.1412, 0.0001
CMYK	0.60, 0.14, 0.00, 0.00
HSL	194°, 100%, 70%
HSV	194°, 60%, 100%
XYZ	48.8691, 60.7078, 103.7323
YIQ	188.1210, -81.2880, -13.6080

# Conversions

## Conversions Part 2

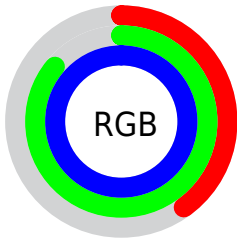
Format	Color
<a href="#">RYB</a>	102, 168, 255
Decimal	6740991
CIELab	82.22, -22.81, -27.45
CIELCh	82, 35.687, 230.276
Yxy	60.7078, 0.2291, 0.2846
Android (android.graphics.Color)	4284931071 (0xFF66DBFF)
YUV	188.1210, 32.9713, -75.5281
Hunter-Lab	77.9152, -24.3948, -24.3950

# Details

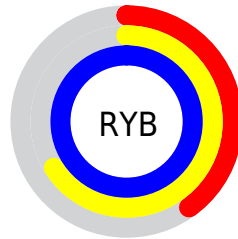
The Yxy color **60.7078, 0.2291, 0.2846** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **40.4314, 0.4760, 0.3649**, and the grayscale version is **50.2252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **30.7063, 0.2101, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **56.3637, 0.2196, 0.2758**, and if you desaturate by 10%, it is **65.6275, 0.2404, 0.2932**.

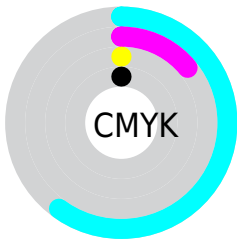
# Distribution



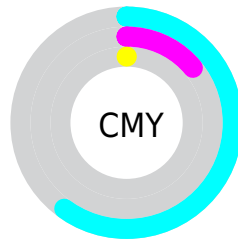
- Red (40%)
- Green (86%)
- Blue (100%)



- Red (40%)
- Yellow (66%)
- Blue (100%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7078, 0.2291, 0.2846 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 60.7078, 0.2291, 0.2846 by changing the saturation by 10% instead.




 60.7078, 0.2291,  
0.2846

 60.7078, 0.2291,  
0.2846


427.2018, 0.2675,  
0.3066


 43.9894, 0.2205,  
0.2793


 105.8557, 0.2423,  
0.2925

 30.6622, 0.2100,  
0.2726


 135.0541, 0.2475,  
0.2955

 20.3417, 0.1969,  
0.2639


 169.1811, 0.2520,  
0.2980

 12.6437, 0.1802,  
0.2524

208.6214, 0.2559,  
0.3002

 7.1837, 0.1584,  
0.2362

253.7592, 0.2593,  
0.3021

 3.5772, 0.1293,  
0.2126

304.9789, 0.2623,

 1.4400, 0.0893,

0.3038

0.1763

362.6650, 0.2651,  
0.3053

0.2459, 0.0000,  
0.0814

0.0000, 0.0000,  
0.0000

60.7078, 0.2291,  
0.2846

60.7078, 0.2291,  
0.2846

56.3637, 0.2196,  
0.2758

65.6275, 0.2404,  
0.2932

52.5439, 0.2120,  
0.2670

71.1553, 0.2532,  
0.3014

49.1975, 0.2065,  
0.2582

77.3286, 0.2672,  
0.3091

46.2391, 0.2027,  
0.2495

84.1796, 0.2820,  
0.3163

■ 46.2229, 0.2026,  
0.2494

■ 91.7380, 0.2973,  
0.3230

99.9987, 0.3127,  
0.3290

# Harmonies

## Analogous

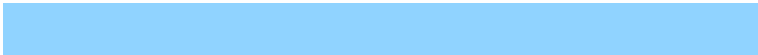
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7078, 0.2404, 0.3239



60.7078, 0.2291, 0.2846



60.7078, 0.2378, 0.2612

# Triad

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



60.7078, 0.2291, 0.2846



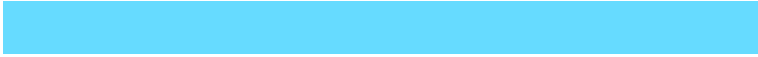
60.7078, 0.3534, 0.2927



60.7078, 0.3576, 0.4112

# Complementary

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



60.7078, 0.2291, 0.2846



40.4314, 0.4760, 0.3649

# 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.



60.7078, 0.3915, 0.3948



60.7078, 0.2291, 0.2846



60.7078, 0.3901, 0.3266

# Square

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



60.7078, 0.2291, 0.2846



60.7078, 0.3070, 0.2675



60.7078, 0.4041, 0.3632



60.7078, 0.3131, 0.4028



# Rectangle

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



60.7078, 0.2291, 0.2846



60.7078, 0.2542, 0.2557



60.7078, 0.4041, 0.3632



60.7078, 0.3706, 0.4081

# Sweetspot

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



60.7100, 0.2291, 0.2846



85.6070, 0.2849, 0.3177



76.1695, 0.2896, 0.4813



17.8727, 0.2805, 0.3157



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.



60.7100, 0.2291, 0.2846



55.5463, 0.2179, 0.2740



29.6649, 0.2064, 0.1836



19.7137, 0.2980, 0.3233



24.3975, 0.2030, 0.2509



2.5422, 0.2058, 0.2608



# Inverse Universe

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



35.8999, 0.3551, 0.2169



30.5593, 0.3666, 0.2023



70.4240, 0.4213, 0.4380



18.2229, 0.3174, 0.3110



13.1909, 0.3913, 0.1930

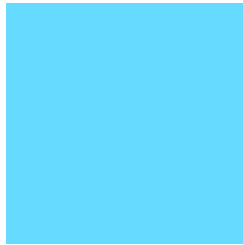


1.3012, 0.3816, 0.1876



# Previews

## White Background



This preview shows how the Yxy color 60.7078, 0.2291, 0.2846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

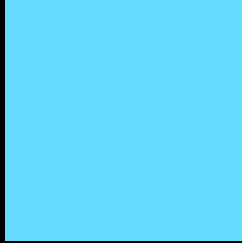
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7078, 0.2291, 0.2846 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 60.7078, 0.2291, 0.2846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7078, 0.2291, 0.2846.



This preview shows how white text looks on a background with the Yxy color 60.7078, 0.2291, 0.2846.

# 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

60.7078, 0.2291, 0.2846

### Protanopia

59.7137, 0.2795, 0.2814

### Deuteranopia

59.9979, 0.2722, 0.2679



## Tritanopia

60.9667, 0.2337, 0.3059

# Trichromacy



## Original Color

60.7078, 0.2291, 0.2846



## Protanomaly

59.4042, 0.2573, 0.2828



## Deuteranomaly

59.4227, 0.2530, 0.2730



## Tritanomaly

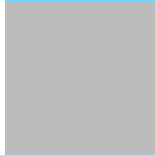
60.9021, 0.2323, 0.2987

# Monochromacy



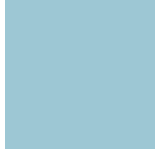
## Original Color

60.7078, 0.2291, 0.2846



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

52.7684, 0.2734, 0.3122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7078, 0.2291, 0.2846 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(102, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 219, 255)  
}
```

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(102, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7078, 0.2291, 0.2846 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(102, 219, 255) }
```

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

```
.border{ border-color:rgb(102, 219, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7078, 0.2291, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 219, 255) }
```

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

```
.background{ background-color: rgb(102,  
219, 255) }
```

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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