

Converting Colors

$Y_{xy}(54.4290, 0.2256, 0.2683)$

Have a look what the booklet for
Yxy(54.4290, 0.2256, 0.2683)
contains.

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Color

Yxy(54.2462, 0.2256, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	67CEFF
RGB	103, 206, 255
RGB Percent	40%, 81%, 100%
CMY	0.5961, 0.1921, 0.0000
CMYK	0.60, 0.19, 0.00, 0.00
HSL	199°, 100%, 70%
HSV	199°, 60%, 100%
XYZ	45.7151, 54.2462, 102.6767
YIQ	180.7890, -77.1170, -6.5970

Conversions

Conversions Part 2

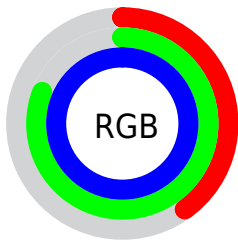
Format	Color
R _Y B	103, 164, 255
Decimal	6803199
CIE _{Lab}	78.61, -16.03, -33.01
CIE _{LCh}	79, 36.699, 244.102
Y _{xy}	54.2462, 0.2256, 0.2677
Android (android.graphics.Color)	4284993279 (0xFF67CEFF)
YUV	180.7890, 36.5860, -68.2210
Hunter-Lab	73.6520, -18.0977, -31.0985

Details

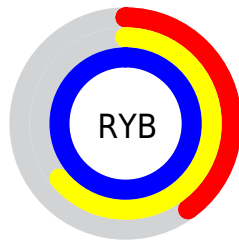
The Yxy color **54.2462, 0.2256, 0.2677** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.6939, 0.4647, 0.3782**, and the grayscale version is **45.9188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **26.6931, 0.2053, 0.2522** is the 20% darker color. If you saturate the color by 10%, you get **49.1077, 0.2147, 0.2554**, and if you desaturate by 10%, it is **60.0539, 0.2382, 0.2797**.

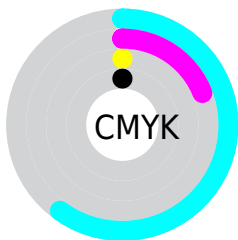
Distribution



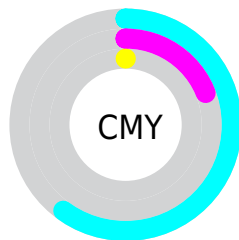
- Red (40%)
- Green (81%)
- Blue (100%)



- Red (40%)
- Yellow (64%)
- Blue (100%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2462, 0.2256, 0.2677 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 54.2462, 0.2256, 0.2677 by changing the saturation by 10% instead.


 54.2462, 0.2256,
0.2677


 54.2462, 0.2256,
0.2677


403.0482, 0.2663,
0.2978

 38.7985, 0.2164,
0.2605


 96.4356, 0.2397,
0.2784

 26.6030, 0.2051,
0.2515


 123.9462, 0.2452,
0.2825

 17.2753, 0.1909,
0.2399


 156.2465, 0.2499,
0.2860

 10.4310, 0.1728,
0.2246

193.7210, 0.2540,
0.2890

 5.6856, 0.1491,
0.2036

236.7540, 0.2577,
0.2916

 2.6549, 0.1174,
0.1737

285.7299, 0.2609,

 0.9543, 0.0703,

0.2939

0.1305

341.0332, 0.2637,
0.2960

0.0000, 0.0000,
0.0000

54.2462, 0.2256,
0.2677

54.2462, 0.2256,
0.2677

49.1077, 0.2147,
0.2554

60.0539, 0.2382,
0.2797

44.5881, 0.2058,
0.2429

66.5677, 0.2520,
0.2912

40.6340, 0.1990,
0.2305

73.8260, 0.2668,
0.3020

37.1612, 0.1940,
0.2183

81.8627, 0.2822,
0.3119

37.0315, 0.1939,
0.2178

90.7092, 0.2978,
0.3211

100.0000, 0.3127,
0.3290

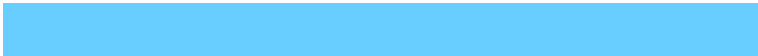
Harmonies

Analogous

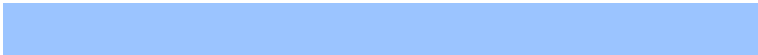
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.2462, 0.2277, 0.3023



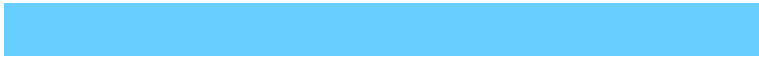
54.2462, 0.2256, 0.2677



54.2462, 0.2442, 0.2520

Triad

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



54.2462, 0.2256, 0.2677



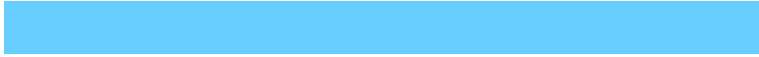
54.2462, 0.3765, 0.3061



54.2462, 0.3390, 0.4166

Complementary

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



54.2462, 0.2256, 0.2677



44.6939, 0.4647, 0.3782

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.



54.2462, 0.3820, 0.4098



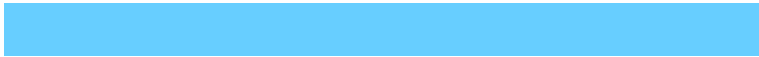
54.2462, 0.2256, 0.2677



54.2462, 0.4058, 0.3441

Square

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



54.2462, 0.2256, 0.2677



54.2462, 0.3295, 0.2745



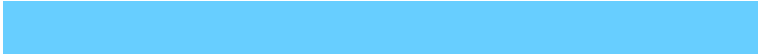
54.2462, 0.4073, 0.3818



54.2462, 0.2909, 0.3943

Rectangle

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



54.2462, 0.2256, 0.2677



54.2462, 0.2671, 0.2521



54.2462, 0.4073, 0.3818



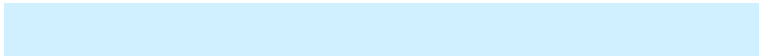
54.2462, 0.3546, 0.4174

Sweetspot

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



54.2475, 0.2256, 0.2677



83.2305, 0.2847, 0.3135



76.6421, 0.2841, 0.4638



17.2885, 0.2802, 0.3107



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.



54.2475, 0.2256, 0.2677



47.9725, 0.2124, 0.2524



26.2997, 0.2034, 0.1685



19.4362, 0.2980, 0.3212



19.6322, 0.1944, 0.2198



2.1097, 0.1983, 0.2338

Inverse Universe

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



35.4164, 0.3696, 0.2287



29.7948, 0.3865, 0.2154



77.2501, 0.4129, 0.4480



18.1949, 0.3188, 0.3130



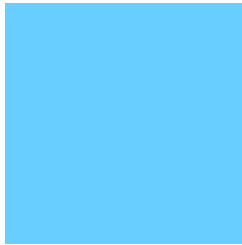
12.7098, 0.4234, 0.2106



1.2575, 0.4087, 0.2025

Previews

White Background



This preview shows how the Yxy color 54.2462, 0.2256, 0.2677 looks on a white background.

Color Contrast Check

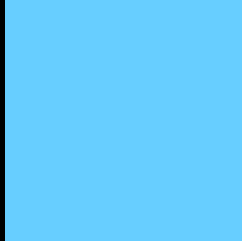
Large Text (above 18pt) WCAG AA × Fail

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 54.2462, 0.2256, 0.2677 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

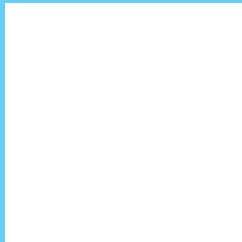
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.2462, 0.2256, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 54.2462, 0.2256, 0.2677.



This preview shows how white text looks on a background with the Yxy color 54.2462, 0.2256, 0.2677.

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

54.2462, 0.2256, 0.2677

Protanopia

53.4966, 0.2684, 0.2670

Deuteranopia

53.8287, 0.2601, 0.2554



Tritanopia

54.4141, 0.2341, 0.3062

Trichromacy



Original Color

54.2462, 0.2256, 0.2677



Protanomaly

52.9326, 0.2494, 0.2660



Deuteranomaly

53.1839, 0.2448, 0.2585



Tritanomaly

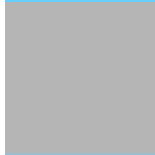
54.2069, 0.2306, 0.2910

Monochromacy



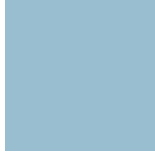
Original Color

54.2462, 0.2256, 0.2677



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.1533, 0.2721, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2462, 0.2256, 0.2677 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(103, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 206, 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(103, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.2462, 0.2256, 0.2677 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(103, 206, 255) }
```

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

```
.border{ border-color:rgb(103, 206, 255) }
```

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

Here you see how a box with a 4 pixel rgb(103, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2462, 0.2256, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 206, 255) }
```

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

```
.background{ background-color: rgb(103,  
206, 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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