

Converting Colors

$Y_{xy}(54.4650, 0.2254, 0.2684)$

Have a look what the booklet for
Yxy(54.4650, 0.2254, 0.2684)
contains.

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Color

Yxy(54.6704, 0.2255, 0.2690)

Conversions

Conversions Part 1

Format	Color
Hex	66CFFF
RGB	102, 207, 255
RGB Percent	40%, 81%, 100%
CMY	0.6005, 0.1882, 0.0000
CMYK	0.60, 0.19, 0.00, 0.00
HSL	199°, 100%, 70%
HSV	199°, 60%, 100%
XYZ	45.8296, 54.6704, 102.7356
YIQ	181.0770, -77.9880, -7.3320

Conversions

Conversions Part 2

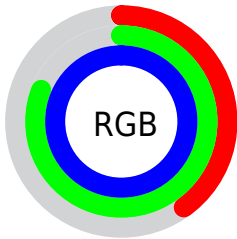
Format	Color
RYB	102, 164, 255
Decimal	6737919
CIELab	78.85, -16.76, -32.63
CIElCh	79, 36.681, 242.807
Yxy	54.6704, 0.2255, 0.2690
Android (android.graphics.Color)	4284927999 (0xFF66CFFF)
YUV	181.0770, 36.4440, -69.3505
Hunter-Lab	73.9394, -18.7549, -30.6233

Details

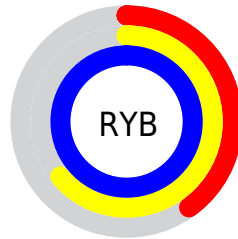
The Yxy color **54.6704, 0.2255, 0.2690** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.9779, 0.4673, 0.3770**, and the grayscale version is **46.0675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **26.9789, 0.2053, 0.2539** is the 20% darker color. If you saturate the color by 10%, you get **49.6328, 0.2148, 0.2570**, and if you desaturate by 10%, it is **60.3656, 0.2379, 0.2807**.

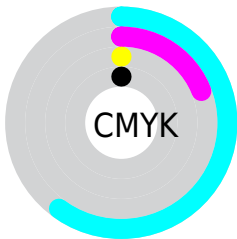
Distribution



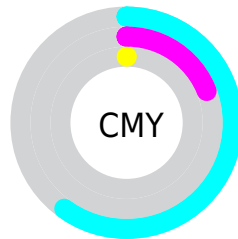
- Red (40%)
- Green (81%)
- Blue (100%)



- 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 54.6704, 0.2255, 0.2690 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 54.6704, 0.2255, 0.2690 by changing the saturation by 10% instead.

 54.6704, 0.2255,
0.2690


 54.6704, 0.2255,
0.2690


404.6613, 0.2662,
0.2985


 39.1379, 0.2163,
0.2619

 97.0579, 0.2396,
0.2795

 26.8670, 0.2050,
0.2531


 124.6816, 0.2451,
0.2835

 17.4734, 0.1909,
0.2417


 157.1046, 0.2498,
0.2869

 10.5726, 0.1728,
0.2267

194.7112, 0.2539,
0.2899

 5.7802, 0.1492,
0.2060

237.8857, 0.2575,
0.2924

 2.7119, 0.1176,
0.1765

287.0127, 0.2607,

 0.9832, 0.0710,

0.2947

0.1337

342.4764, 0.2636,
0.2967

0.0000, 0.0000,
0.0000

54.6704, 0.2255,
0.2690

54.6704, 0.2255,
0.2690

49.6328, 0.2148,
0.2570

60.3656, 0.2379,
0.2807

45.2004, 0.2061,
0.2449

66.7534, 0.2516,
0.2918

41.3204, 0.1995,
0.2329

73.8725, 0.2663,
0.3023

37.9199, 0.1948,
0.2211

81.7568, 0.2816,
0.3120

90.4375, 0.2971,
0.3209

99.9439, 0.3126,
0.3290

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



54.6704, 0.2285, 0.3042



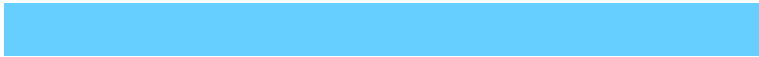
54.6704, 0.2255, 0.2690



54.6704, 0.2432, 0.2525

Triad

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



54.6704, 0.2255, 0.2690



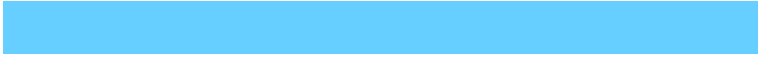
54.6704, 0.3745, 0.3046



54.6704, 0.3410, 0.4166

Complementary

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



54.6704, 0.2255, 0.2690



43.9779, 0.4673, 0.3770

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.



54.6704, 0.3834, 0.4087



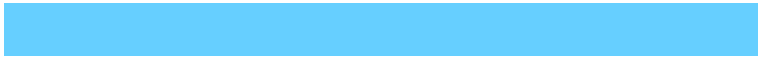
54.6704, 0.2255, 0.2690



54.6704, 0.4048, 0.3424

Square

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



54.6704, 0.2255, 0.2690



54.6704, 0.3273, 0.2735



54.6704, 0.4076, 0.3801



54.6704, 0.2930, 0.3956

Rectangle

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



54.6704, 0.2255, 0.2690



54.6704, 0.2655, 0.2521



54.6704, 0.4076, 0.3801



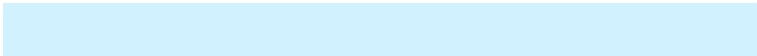
54.6704, 0.3564, 0.4170

Sweetspot

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



54.6724, 0.2255, 0.2690



83.4757, 0.2847, 0.3139



76.4634, 0.2851, 0.4684



17.3487, 0.2802, 0.3112



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.



54.6724, 0.2255, 0.2690



48.7255, 0.2130, 0.2546



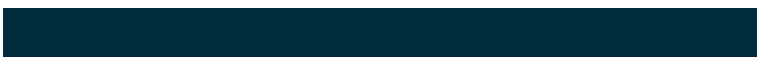
26.6745, 0.2033, 0.1704



19.4650, 0.2980, 0.3214



20.0948, 0.1953, 0.2231



2.1522, 0.1991, 0.2366

Inverse Universe

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



35.2422, 0.3685, 0.2269



29.8708, 0.3844, 0.2140



75.7239, 0.4151, 0.4466



18.1978, 0.3186, 0.3128



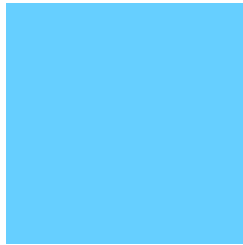
12.7565, 0.4199, 0.2087



1.2618, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 54.6704, 0.2255, 0.2690 looks on a white background.

Color Contrast Check

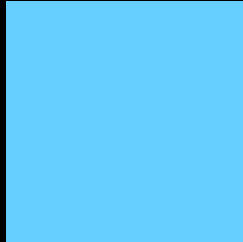
Large Text (above 18pt) WCAG AA × Fail

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 54.6704, 0.2255, 0.2690 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

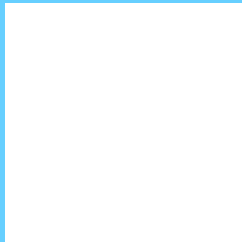
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.6704, 0.2255, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 54.6704, 0.2255, 0.2690.



This preview shows how white text looks on a background with the Yxy color 54.6704, 0.2255, 0.2690.

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

54.6704, 0.2255, 0.2690

Protanopia

54.0547, 0.2692, 0.2683

Deuteranopia

53.9466, 0.2607, 0.2555



Tritanopia

54.9178, 0.2336, 0.3062

Trichromacy



Original Color

54.6704, 0.2255, 0.2690



Protanomaly

53.3852, 0.2496, 0.2673



Deuteranomaly

53.6365, 0.2450, 0.2597



Tritanomaly

54.6459, 0.2306, 0.2924

Monochromacy



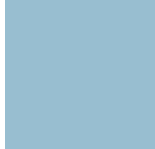
Original Color

54.6704, 0.2255, 0.2690



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.0564, 0.2714, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6704, 0.2255, 0.2690 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 207, 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, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.6704, 0.2255, 0.2690 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, 207, 255) }
```

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

```
.border{ border-color:rgb(102, 207, 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, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.6704, 0.2255, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 207, 255) }
```

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

```
.background{ background-color: rgb(102,  
207, 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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