

Converting Colors

$Y_{xy}(57.3277, 0.2101, 0.2285)$

Have a look what the booklet for
Yxy(57.3277, 0.2101, 0.2285)
contains.

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Color

Yxy(54.4983, 0.2245, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	63CFFF
RGB	99, 207, 255
RGB Percent	39%, 81%, 100%
CMY	0.6114, 0.1883, 0.0000
CMYK	0.61, 0.19, 0.00, 0.00
HSL	198°, 100%, 69%
HSV	198°, 61%, 100%
XYZ	45.5166, 54.4983, 102.7317
YIQ	180.1800, -79.7760, -7.9680

Conversions

Conversions Part 2

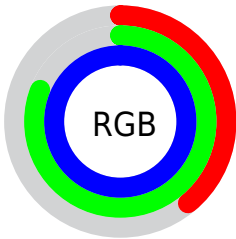
Format	Color
R _Y B	99, 163, 255
Decimal	6541311
CIE Lab	78.75, -17.23, -32.80
CIE LCh	79, 37.046, 242.287
Yxy	54.4983, 0.2245, 0.2688
Android (android.graphics.Color)	4284731391 (0xFF63CFFF)
YUV	180.1800, 36.8863, -71.1949
Hunter-Lab	73.8230, -19.1334, -30.8316

Details

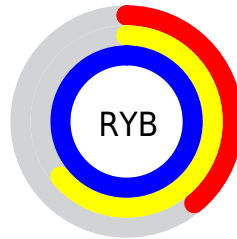
The Yxy color **54.4983, 0.2245, 0.2688** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.0648, 0.4719, 0.3767**, and the grayscale version is **45.5879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **26.8726, 0.2039, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **49.5708, 0.2141, 0.2570**, and if you desaturate by 10%, it is **60.0716, 0.2366, 0.2803**.

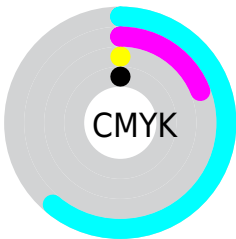
Distribution



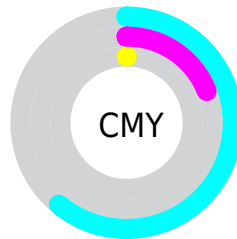
- Red (39%)
- Green (81%)
- Blue (100%)



- Red (39%)
- Yellow (64%)
- Blue (100%)



- Cyan (61%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4983, 0.2245, 0.2688 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 54.4983, 0.2245, 0.2688 by changing the saturation by 10% instead.


 54.4983, 0.2245,
0.2688


 54.4983, 0.2245,
0.2688


404.0073, 0.2656,
0.2984


 39.0002, 0.2152,
0.2617


 96.8055, 0.2387,
0.2794

 26.7599, 0.2038,
0.2528


 124.3834, 0.2443,
0.2834

 17.3930, 0.1895,
0.2414


 156.7566, 0.2491,
0.2868

 10.5151, 0.1713,
0.2262


194.3096, 0.2532,
0.2898

 5.7418, 0.1474,
0.2054

237.4268, 0.2569,
0.2924

 2.6887, 0.1157,
0.1757

286.4926, 0.2601,

 0.9715, 0.0683,

0.2946

0.1327

341.8913, 0.2630,
0.2966

■ 0.0000, 0.0000,
0.0000

■ 54.4983, 0.2245,
0.2688

■ 54.4983, 0.2245,
0.2688

■ 49.5708, 0.2141,
0.2570

■ 60.0716, 0.2366,
0.2803

■ 45.2373, 0.2057,
0.2451

■ 66.3273, 0.2501,
0.2913

■ 41.4435, 0.1994,
0.2334

■ 73.3038, 0.2647,
0.3017

■ 38.4564, 0.1953,
0.2231

■ 81.0353, 0.2799,
0.3113

■ 89.5531, 0.2954,
0.3201

98.8866, 0.3110,
0.3281

100.0000, 0.3127,
0.3290

Harmonies

Analogous

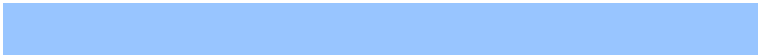
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.4983, 0.2279, 0.3046



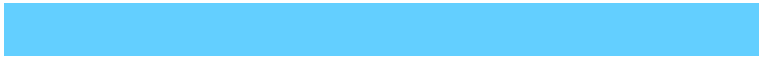
54.4983, 0.2245, 0.2688



54.4983, 0.2420, 0.2519

Triad

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



54.4983, 0.2245, 0.2688



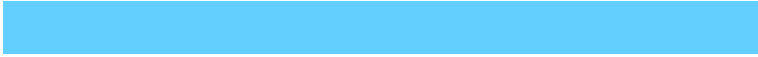
54.4983, 0.3745, 0.3037



54.4983, 0.3421, 0.4177

Complementary

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



54.4983, 0.2245, 0.2688



43.0648, 0.4719, 0.3767

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.



54.4983, 0.3847, 0.4092



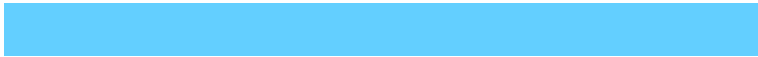
54.4983, 0.2245, 0.2688



54.4983, 0.4055, 0.3418

Square

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



54.4983, 0.2245, 0.2688



54.4983, 0.3266, 0.2725



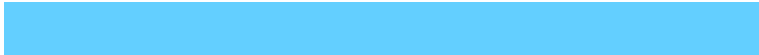
54.4983, 0.4088, 0.3800



54.4983, 0.2935, 0.3970

Rectangle

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



54.4983, 0.2245, 0.2688



54.4983, 0.2643, 0.2513



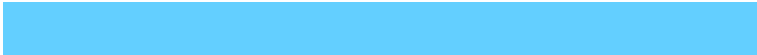
54.4983, 0.4088, 0.3800



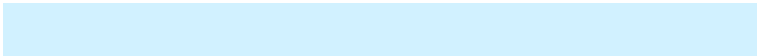
54.4983, 0.3576, 0.4179

Sweetspot

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



54.4999, 0.2245, 0.2688



83.6207, 0.2847, 0.3142



76.2498, 0.2849, 0.4713



17.3843, 0.2802, 0.3115



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.



54.4999, 0.2245, 0.2688



48.7196, 0.2124, 0.2548



25.9188, 0.2013, 0.1671



19.4820, 0.2980, 0.3215



20.3715, 0.1958, 0.2250



2.1775, 0.1995, 0.2383

Inverse Universe

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



34.7077, 0.3690, 0.2248



29.5601, 0.3845, 0.2124



75.3777, 0.4169, 0.4482



18.1995, 0.3185, 0.3127



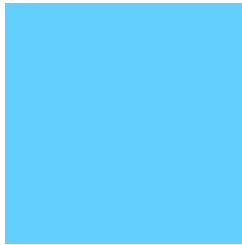
12.7845, 0.4179, 0.2076



1.2644, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 54.4983, 0.2245, 0.2688 looks on a white background.

Color Contrast Check

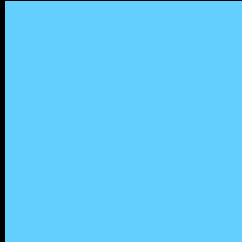
Large Text (above 18pt) WCAG AA × Fail

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 54.4983, 0.2245, 0.2688 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

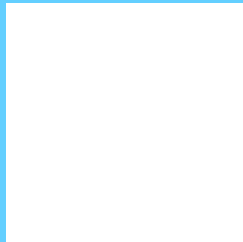
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.4983, 0.2245, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 54.4983, 0.2245, 0.2688.

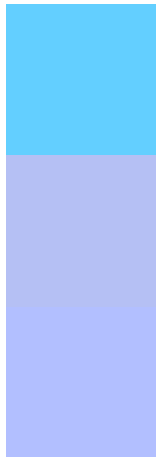


This preview shows how white text looks on a background with the Yxy color 54.4983, 0.2245, 0.2688.

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

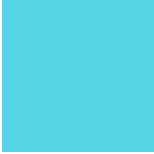
54.4983, 0.2245, 0.2688

Protanopia

54.0547, 0.2692, 0.2683

Deuteranopia

53.9466, 0.2607, 0.2555



Tritanopia

54.7703, 0.2326, 0.3062

Trichromacy



Original Color

54.4983, 0.2245, 0.2688

Protanomaly

53.2891, 0.2491, 0.2672

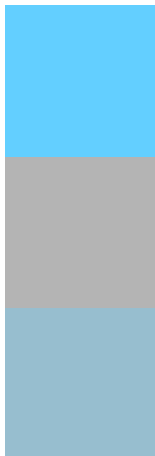
Deuteranomaly

53.5421, 0.2444, 0.2596

Tritanomaly

54.4904, 0.2295, 0.2923

Monochromacy



Original Color

54.4983, 0.2245, 0.2688

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.9112, 0.2714, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4983, 0.2245, 0.2688 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(99, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.4983, 0.2245, 0.2688 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(99, 207, 255) }
```

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

```
.border{ border-color:rgb(99, 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(99, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4983, 0.2245, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 255) }
```

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

```
.background{ background-color: rgb(99, 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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