

Converting Colors

$Yxy(55.5015, 0.2187, 0.2558)$

Have a look what the booklet for
Yxy(55.5015, 0.2187, 0.2558)
contains.

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Color

Yxy(54.8185, 0.2237, 0.2700)

Conversions

Conversions Part 1

Format	Color
Hex	60D0FF
RGB	96, 208, 255
RGB Percent	38%, 82%, 100%
CMY	0.6241, 0.1842, 0.0000
CMYK	0.62, 0.18, 0.00, 0.00
HSL	198°, 100%, 69%
HSV	198°, 62%, 100%
XYZ	45.4181, 54.8185, 102.7948
YIQ	179.8700, -81.8390, -9.1270

Conversions

Conversions Part 2

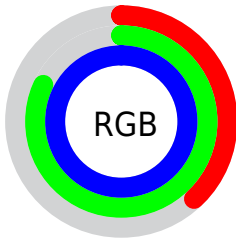
Format	Color
R _Y B	96, 162, 255
Decimal	6344959
CIE Lab	78.94, -18.31, -32.52
CIE LCh	79, 37.317, 240.619
Yxy	54.8185, 0.2237, 0.2700
Android (android.graphics.Color)	4284535039 (0xFF60D0FF)
YUV	179.8700, 37.0391, -73.5540
Hunter-Lab	74.0395, -20.0717, -30.4893

Details

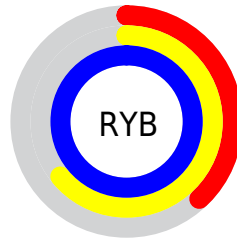
The Yxy color **54.8185, 0.2237, 0.2700** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.6993, 0.4782, 0.3753**, and the grayscale version is **45.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **27.1884, 0.2043, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **50.0720, 0.2138, 0.2587**, and if you desaturate by 10%, it is **60.1912, 0.2354, 0.2810**.

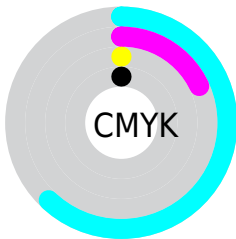
Distribution



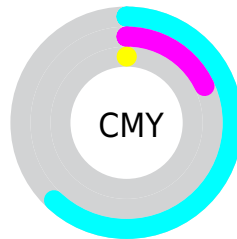
- Red (38%)
- Green (82%)
- Blue (100%)



- Red (38%)
- Yellow (64%)
- Blue (100%)



- Cyan (62%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8185, 0.2237, 0.2700 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 54.8185, 0.2237, 0.2700 by changing the saturation by 10% instead.


 54.8185, 0.2237,
0.2700


 54.8185, 0.2237,
0.2700


405.2236, 0.2651,
0.2991


 39.2564, 0.2143,
0.2630


 97.2750, 0.2380,
0.2804

 26.9593, 0.2029,
0.2543


 124.9382, 0.2436,
0.2843

 17.5426, 0.1885,
0.2430


 157.4039, 0.2484,
0.2877

 10.6221, 0.1702,
0.2280

 195.0564, 0.2526,
0.2906

 5.8134, 0.1464,
0.2074

238.2803, 0.2563,
0.2931

 2.7319, 0.1146,
0.1779

287.4599, 0.2596,

 0.9934, 0.0672,

0.2954

0.1352

342.9795, 0.2625,
0.2973

0.0000, 0.0000,
0.0000

54.8185, 0.2237,
0.2700

54.8185, 0.2237,
0.2700

50.0720, 0.2138,
0.2587

60.1912, 0.2354,
0.2810

45.8984, 0.2058,
0.2474

66.2258, 0.2486,
0.2916

42.2424, 0.1999,
0.2361

72.9616, 0.2629,
0.3016

39.7494, 0.1966,
0.2277

80.4325, 0.2780,
0.3109

88.6699, 0.2934,
0.3195

97.7032, 0.3090,
0.3272

100.0000, 0.3127,
0.3290

Harmonies

Analogous

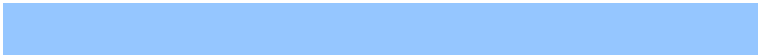
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.8185, 0.2283, 0.3070



54.8185, 0.2237, 0.2700



54.8185, 0.2402, 0.2519

Triad

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



54.8185, 0.2237, 0.2700



54.8185, 0.3724, 0.3016



54.8185, 0.3449, 0.4185

Complementary

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



54.8185, 0.2237, 0.2700



41.6993, 0.4782, 0.3753

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.



54.8185, 0.3870, 0.4084



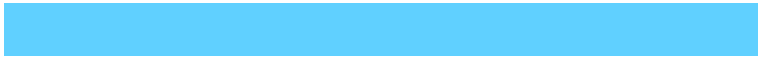
54.8185, 0.2237, 0.2700



54.8185, 0.4050, 0.3397

Square

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



54.8185, 0.2237, 0.2700



54.8185, 0.3238, 0.2708



54.8185, 0.4099, 0.3782



54.8185, 0.2961, 0.3993

Rectangle

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



54.8185, 0.2237, 0.2700



54.8185, 0.2619, 0.2506



54.8185, 0.4099, 0.3782



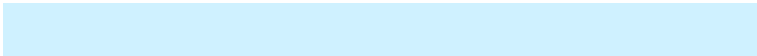
54.8185, 0.3603, 0.4181

Sweetspot

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



54.8204, 0.2237, 0.2700



83.1519, 0.2832, 0.3139



75.9208, 0.2858, 0.4783



17.3080, 0.2788, 0.3114



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.



54.8204, 0.2237, 0.2700



48.9370, 0.2115, 0.2558



25.7553, 0.1998, 0.1666



19.5225, 0.2980, 0.3218



21.0419, 0.1971, 0.2296



2.2388, 0.2006, 0.2423

Inverse Universe

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



34.1553, 0.3682, 0.2214



29.0008, 0.3840, 0.2089



73.5616, 0.4206, 0.4479



18.2036, 0.3183, 0.3124



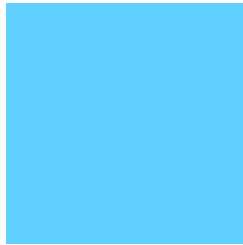
12.8522, 0.4131, 0.2049



1.2705, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 54.8185, 0.2237, 0.2700 looks on a white background.

Color Contrast Check

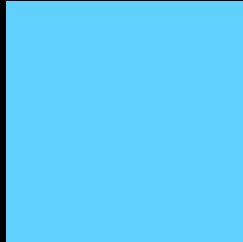
Large Text (above 18pt) WCAG AA × Fail

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 54.8185, 0.2237, 0.2700 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

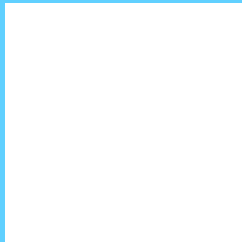
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.8185, 0.2237, 0.2700

Background



This preview shows how black text looks on a background with the Yxy color 54.8185, 0.2237, 0.2700.



This preview shows how white text looks on a background with the Yxy color 54.8185, 0.2237, 0.2700.

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

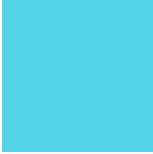
54.8185, 0.2237, 0.2700

Protanopia

54.1154, 0.2705, 0.2695

Deuteranopia

54.0653, 0.2614, 0.2557



Tritanopia

54.6850, 0.2312, 0.3048

Trichromacy



Original Color

54.8185, 0.2237, 0.2700

Protanomaly

53.6829, 0.2498, 0.2695

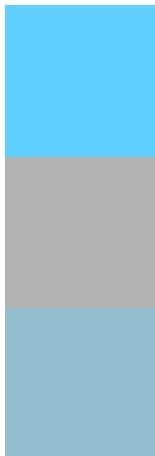
Deuteranomaly

53.5421, 0.2444, 0.2596

Tritanomaly

54.8952, 0.2284, 0.2923

Monochromacy



Original Color

54.8185, 0.2237, 0.2700

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.7215, 0.2700, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8185, 0.2237, 0.2700 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(96, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 208, 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(96, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.8185, 0.2237, 0.2700 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(96, 208, 255) }
```

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

```
.border{ border-color:rgb(96, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8185, 0.2237, 0.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 208, 255) }
```

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

```
.background{ background-color: rgb(96, 208,  
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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