

Converting Colors

$Y_{xy}(55.1894, 0.2248, 0.2830)$

Have a look what the booklet for
Yxy(55.1894, 0.2248, 0.2830)
contains.

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Color

Yxy(55.2824, 0.2246, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	56D3F7
RGB	86, 211, 247
RGB Percent	34%, 83%, 97%
CMY	0.6627, 0.1725, 0.0314
CMYK	0.65, 0.15, 0.00, 0.03
HSL	193°, 91%, 65%
HSV	193°, 65%, 97%
XYZ	43.9209, 55.2824, 96.3482
YIQ	177.7290, -86.0560, -15.3040

Conversions

Conversions Part 2

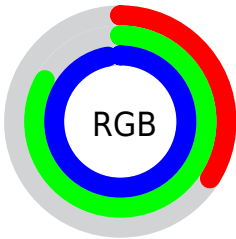
Format	Color
R _Y B	86, 156, 247
Decimal	5690359
CIE Lab	79.20, -23.80, -27.87
CIE LCh	79, 36.648, 229.496
Yxy	55.2824, 0.2246, 0.2827
Android (android.graphics.Color)	4283880439 (0xFF56D3F7)
YUV	177.7290, 34.1506, -80.4463
Hunter-Lab	74.3521, -24.6738, -24.7836

Details

The Yxy color **55.2824, 0.2246, 0.2827** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.3689, 0.4982, 0.3643**, and the grayscale version is **44.2244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **27.5385, 0.2081, 0.2692** is the 20% darker color. If you saturate the color by 10%, you get **51.6100, 0.2163, 0.2744**, and if you desaturate by 10%, it is **59.4581, 0.2348, 0.2909**.

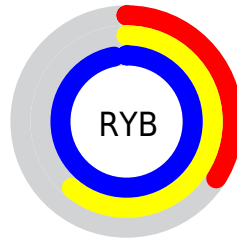
Distribution



Red (34%)

Green (83%)

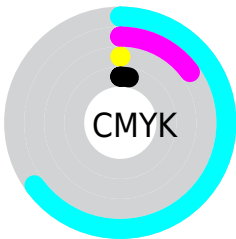
Blue (97%)



Red (34%)

Yellow (61%)

Blue (97%)

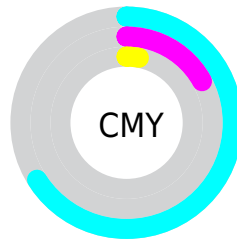


Cyan (65%)

Magenta (15%)

Yellow (0%)

Black (3%)



Cyan (66%)


Magenta (17%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2824, 0.2246, 0.2827 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 55.2824, 0.2246, 0.2827 by changing the saturation by 10% instead.


 55.2824, 0.2246,
0.2827


 55.2824, 0.2246,
0.2827

406.9815, 0.2656,
0.3060


 39.6279, 0.2153,
0.2769

 97.9546, 0.2388,
0.2912


 27.2485, 0.2039,
0.2696


 125.7410, 0.2444,
0.2943

 17.7600, 0.1896,
0.2601


 158.3402, 0.2491,
0.2970

 10.7778, 0.1713,
0.2472

 196.1366, 0.2533,
0.2994

 5.9176, 0.1472,
0.2290

239.5145, 0.2569,
0.3014

 2.7950, 0.1150,
0.2019

288.8584, 0.2602,

 1.0257, 0.0610,

0.3031

0.1615

344.5526, 0.2631,
0.3047

0.0000, 0.0000,
0.0000

55.2824, 0.2246,
0.2827

55.2824, 0.2246,
0.2827

51.6100, 0.2163,
0.2744

59.4581, 0.2348,
0.2909

48.3900, 0.2099,
0.2660

64.1693, 0.2467,
0.2988

45.5697, 0.2055,
0.2578

69.4525, 0.2600,
0.3064

44.3126, 0.2039,
0.2538

75.3384, 0.2743,
0.3135

81.8556, 0.2893,
0.3201

■ 89.0306, 0.3047,
0.3261

■ 96.1373, 0.3177,
0.3316

■ 99.4952, 0.3173,
0.3367

Harmonies

Analogous

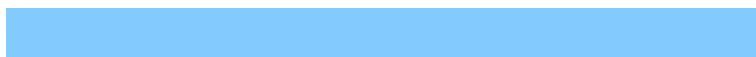
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2824, 0.2370, 0.3246



55.2824, 0.2246, 0.2827



55.2824, 0.2332, 0.2578

Triad

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



55.2824, 0.2246, 0.2827



55.2824, 0.3546, 0.2898



55.2824, 0.3611, 0.4160

Complementary

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



55.2824, 0.2246, 0.2827



34.3689, 0.4982, 0.3643

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.



55.2824, 0.3966, 0.3976



55.2824, 0.2246, 0.2827



55.2824, 0.3940, 0.3253

Square

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



55.2824, 0.2246, 0.2827



55.2824, 0.3053, 0.2637



55.2824, 0.4095, 0.3638



55.2824, 0.3141, 0.4081

Rectangle

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



55.2824, 0.2246, 0.2827



55.2824, 0.2501, 0.2518



55.2824, 0.4095, 0.3638



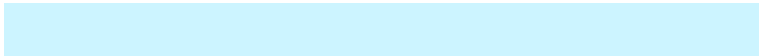
55.2824, 0.3748, 0.4123

Sweetspot

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



55.2844, 0.2246, 0.2827



84.5160, 0.2819, 0.3169



69.8774, 0.2900, 0.4997



17.6730, 0.2777, 0.3151



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.



55.2844, 0.2246, 0.2827



54.4166, 0.2142, 0.2719



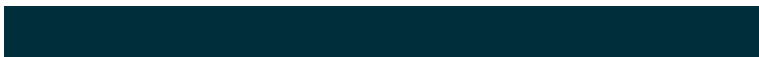
25.0973, 0.1985, 0.1728



18.0924, 0.2980, 0.3236



23.6578, 0.2042, 0.2552



2.2301, 0.2071, 0.2655

Inverse Universe

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



31.1359, 0.3577, 0.2084



28.7774, 0.3694, 0.1956



62.4001, 0.4326, 0.4424



16.7012, 0.3172, 0.3108



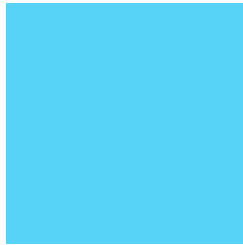
12.4876, 0.3871, 0.1906



1.1128, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 55.2824, 0.2246, 0.2827 looks on a white background.

Color Contrast Check

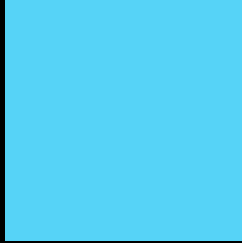
Large Text (above 18pt) WCAG AA × Fail

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 55.2824, 0.2246, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

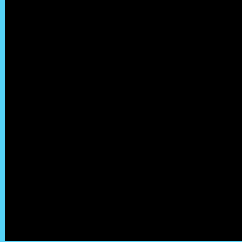
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.2824, 0.2246, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 55.2824, 0.2246, 0.2827.



This preview shows how white text looks on a background with the Yxy color 55.2824, 0.2246, 0.2827.

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

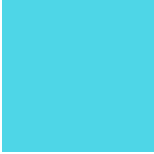
55.2824, 0.2246, 0.2827

Protanopia

54.5195, 0.2789, 0.2807

Deuteranopia

54.4170, 0.2670, 0.2603



Tritanopia

55.4824, 0.2296, 0.3062

Trichromacy



Original Color

55.2824, 0.2246, 0.2827



Protanomaly

54.0246, 0.2538, 0.2809



Deuteranomaly

53.5862, 0.2466, 0.2660



Tritanomaly

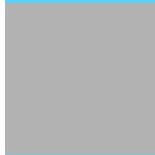
55.4523, 0.2277, 0.2973

Monochromacy



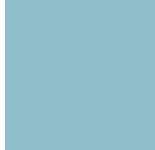
Original Color

55.2824, 0.2246, 0.2827



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.1585, 0.2698, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2824, 0.2246, 0.2827 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(86, 211, 247)` looks like.

```
.text, #text, p{  
    color:rgb(86, 211, 247)  
}
```

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(86, 211, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 211, 247) }
```

Border

The CSS property to change the border of an element to Yxy 55.2824, 0.2246, 0.2827 is called "border". The border property can be set on classes, ids or directly on the HTML element.

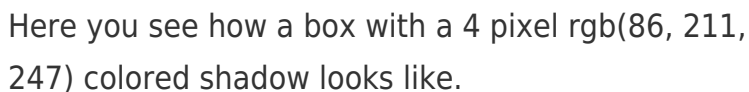
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 211, 247) }
```

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

```
.border{ border-color:rgb(86, 211, 247) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 211, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 211, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 211, 247); box-shadow:4px 4px 4px 4px rgb(86, 211, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2824, 0.2246, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 211, 247) }
```

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

```
.background{ background-color: rgb(86, 211,  
247) }
```

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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