

Converting Colors

$Y_{xy}(55.6282, 0.2439, 0.2841)$

Have a look what the booklet for
Yxy(55.6282, 0.2439, 0.2841)
contains.

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Color

Yxy(55.4590, 0.2438, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	84CEF2
RGB	132, 206, 242
RGB Percent	52%, 81%, 95%
CMY	0.4826, 0.1921, 0.0509
CMYK	0.45, 0.15, 0.00, 0.05
HSL	200°, 81%, 73%
HSV	200°, 45%, 95%
XYZ	47.6088, 55.4590, 92.2104
YIQ	187.9780, -55.6600, -4.4920

Conversions

Conversions Part 2

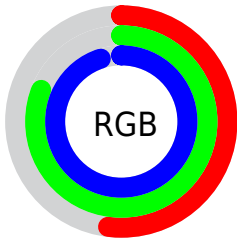
Format	Color
RYB	132, 176, 242
Decimal	8703730
CIELab	79.30, -13.71, -24.90
CIElCh	79, 28.427, 241.166
Yxy	55.4590, 0.2438, 0.2840
Android (android.graphics.Color)	4286893810 (0xFF84CEF2)
YUV	187.9780, 26.6328, -49.0927
Hunter-Lab	74.4708, -16.2097, -21.2838

Details

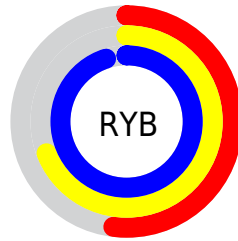
The Yxy color **55.4590, 0.2438, 0.2840** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.5307, 0.4162, 0.3688**, and the grayscale version is **50.1408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **27.4575, 0.2271, 0.2721** is the 20% darker color. If you saturate the color by 10%, you get **50.0157, 0.2306, 0.2720**, and if you desaturate by 10%, it is **61.5510, 0.2581, 0.2953**.

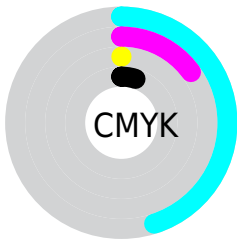
Distribution



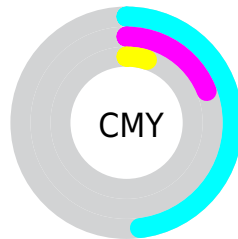
- Red (52%)
- Green (81%)
- Blue (95%)



- Red (52%)
- Yellow (69%)
- Blue (95%)



- Cyan (45%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)





- Cyan (48%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4590, 0.2438, 0.2840 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 55.4590, 0.2438, 0.2840 by changing the saturation by 10% instead.


 55.4590, 0.2438,
0.2840


 55.4590, 0.2438,
0.2840


407.6495, 0.2763,
0.3062

 39.7693, 0.2363,
0.2786


 98.2131, 0.2551,
0.2919

 27.3587, 0.2270,
0.2719


 126.0464, 0.2595,
0.2950

 17.8428, 0.2153,
0.2631


 158.6963, 0.2633,
0.2975

 10.8372, 0.1999,
0.2513


196.5473, 0.2666,
0.2997

 5.9575, 0.1793,
0.2347

239.9837, 0.2695,
0.3017

 2.8192, 0.1504,
0.2100

289.3899, 0.2720,

 1.0381, 0.1063,

0.3033

0.1712

345.1504, 0.2743,
0.3048

0.0000, 0.0000,
0.0000

55.4590, 0.2438,
0.2840

55.4590, 0.2438,
0.2840

50.0157, 0.2306,
0.2720

61.5510, 0.2581,
0.2953

45.1801, 0.2189,
0.2596

68.3167, 0.2732,
0.3059

40.9158, 0.2091,
0.2470

75.7872, 0.2887,
0.3157

37.1778, 0.2013,
0.2344

83.9897, 0.3043,
0.3245

33.9117, 0.1956,
0.2220

92.9495, 0.3196,
0.3325

■ 32.5539, 0.1935,
0.2164

■ 98.2439, 0.3204,
0.3401

■ 99.1917, 0.3203,
0.3415

Harmonies

Analogous

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



55.4590, 0.2473, 0.3125



55.4590, 0.2438, 0.2840



55.4590, 0.2572, 0.2694

Triad

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



55.4590, 0.2438, 0.2840



55.4590, 0.3587, 0.3087



55.4590, 0.3374, 0.3960

Complementary

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



55.4590, 0.2438, 0.2840



48.5307, 0.4162, 0.3688

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.



55.4590, 0.3694, 0.3903



55.4590, 0.2438, 0.2840



55.4590, 0.3827, 0.3388

Square

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



55.4590, 0.2438, 0.2840



55.4590, 0.3223, 0.2842



55.4590, 0.3865, 0.3685



55.4590, 0.3000, 0.3808

Rectangle

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



55.4590, 0.2438, 0.2840



55.4590, 0.2745, 0.2682



55.4590, 0.3865, 0.3685



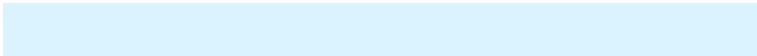
55.4590, 0.3491, 0.3963

Sweetspot

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



55.4611, 0.2438, 0.2840



86.6212, 0.2909, 0.3170



71.1968, 0.2886, 0.4261



18.1307, 0.2876, 0.3150



0.0000, 0.0000, 0.0000



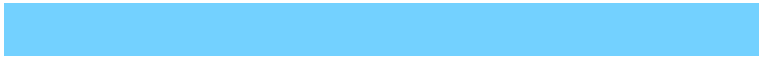
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.4611, 0.2438, 0.2840



56.5102, 0.2310, 0.2724



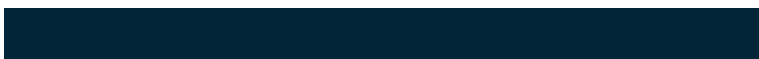
33.8100, 0.2311, 0.2124



17.0067, 0.2981, 0.3211



17.7455, 0.1940, 0.2185



1.6568, 0.1985, 0.2347

Inverse Universe

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



39.8245, 0.3523, 0.2505



38.0742, 0.3643, 0.2356



72.6994, 0.3890, 0.4230



15.9383, 0.3188, 0.3132



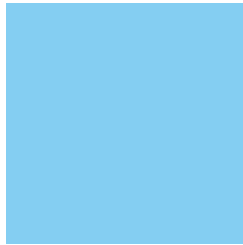
11.5848, 0.4249, 0.2114



0.9820, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 55.4590, 0.2438, 0.2840 looks on a white background.

Color Contrast Check

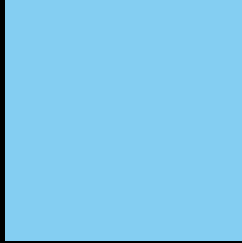
Large Text (above 18pt) WCAG AA × Fail

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 55.4590, 0.2438, 0.2840 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 55.4590, 0.2438, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 55.4590, 0.2438, 0.2840.



This preview shows how white text looks on a background with the Yxy color 55.4590, 0.2438, 0.2840.

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

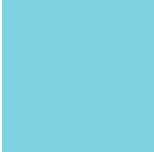
55.4590, 0.2438, 0.2840

Protanopia

55.0889, 0.2797, 0.2820

Deuteranopia

55.1107, 0.2741, 0.2682



Tritanopia

55.6039, 0.2499, 0.3069

Trichromacy



Original Color

55.4590, 0.2438, 0.2840

Protanomaly

54.7181, 0.2649, 0.2819

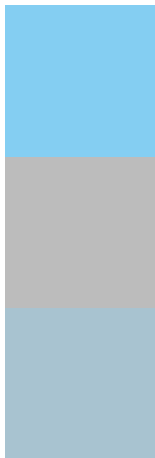
Deuteranomaly

54.7890, 0.2614, 0.2731

Tritanomaly

55.6051, 0.2477, 0.2983

Monochromacy



Original Color

55.4590, 0.2438, 0.2840

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.9091, 0.2831, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4590, 0.2438, 0.2840 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(132, 206, 242)` looks like.

```
.text, #text, p{  
    color:rgb(132, 206, 242)  
}
```

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(132, 206, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 206, 242) }
```

Border

The CSS property to change the border of an element to Yxy 55.4590, 0.2438, 0.2840 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(132, 206, 242) }
```

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

```
.border{ border-color:rgb(132, 206, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 206, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 206, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 206, 242);  
box-shadow:4px 4px 4px 4px rgb(132, 206,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4590, 0.2438, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 206, 242) }
```

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

```
.background{ background-color: rgb(132,  
206, 242) }
```

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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