

Converting Colors

$Y_{xy}(53.8536, 0.2472, 0.2956)$

Have a look what the booklet for
Yxy(53.8536, 0.2472, 0.2956)
contains.

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Color

Yxy(54.0214, 0.2470, 0.2955)

Conversions

Conversions Part 1

Format	Color
Hex	80CDE7
RGB	128, 205, 231
RGB Percent	50%, 80%, 91%
CMY	0.4980, 0.1961, 0.0942
CMYK	0.45, 0.11, 0.00, 0.09
HSL	195°, 68%, 70%
HSV	195°, 45%, 91%
XYZ	45.1549, 54.0214, 83.6372
YIQ	184.9410, -54.2380, -8.2380

Conversions

Conversions Part 2

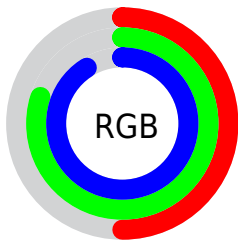
Format	Color
RYB	128, 172, 231
Decimal	8441319
CIELab	78.47, -17.07, -20.28
CIElCh	78, 26.508, 229.907
Yxy	54.0214, 0.2470, 0.2955
Android (android.graphics.Color)	4286631399 (0xFF80CDE7)
YUV	184.9410, 22.7071, -49.9373
Hunter-Lab	73.4993, -18.9606, -16.0185

Details

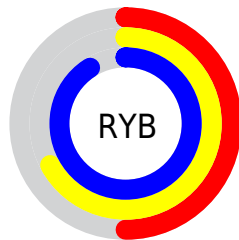
The Yxy color **54.0214, 0.2470, 0.2955** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.6495, 0.4174, 0.3592**, and the grayscale version is **48.3758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **26.5305, 0.2308, 0.2871** is the 20% darker color. If you saturate the color by 10%, you get **49.6953, 0.2347, 0.2865**, and if you desaturate by 10%, it is **58.8631, 0.2606, 0.3040**.

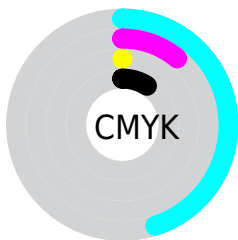
Distribution



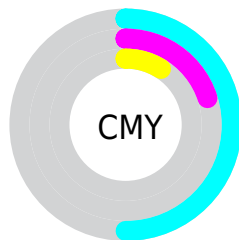
- Red (50%)
- Green (80%)
- Blue (91%)



- Red (50%)
- Yellow (67%)
- Blue (91%)



- Cyan (45%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)





- Cyan (50%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.0214, 0.2470, 0.2955 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 54.0214, 0.2470, 0.2955 by changing the saturation by 10% instead.


 54.0214, 0.2470,
0.2955


 54.0214, 0.2470,
0.2955


402.1916, 0.2782,
0.3124


 38.6188, 0.2397,
0.2913


 96.1057, 0.2580,
0.3016

 26.4633, 0.2307,
0.2859


 123.5561, 0.2622,
0.3039

 17.1705, 0.2192,
0.2789


 155.7912, 0.2658,
0.3059

 10.3562, 0.2040,
0.2692

193.1955, 0.2689,
0.3076

 5.6357, 0.1833,
0.2551

236.1533, 0.2717,
0.3090

 2.6249, 0.1538,
0.2333

285.0490, 0.2741,

 0.9392, 0.1003,

0.3103

0.1984

340.2669, 0.2763,
0.3114

0.0000, 0.0000,
0.0000

54.0214, 0.2470,
0.2955

54.0214, 0.2470,
0.2955

49.6953, 0.2347,
0.2865

58.8631, 0.2606,
0.3040

45.8496, 0.2239,
0.2773

64.2407, 0.2751,
0.3120

42.4534, 0.2150,
0.2678

70.1806, 0.2902,
0.3194


39.4692, 0.2081,
0.2583


76.7056, 0.3056,
0.3261


36.8508, 0.2032,
0.2489

83.8371, 0.3210,
0.3322

 35.5472, 0.2011,
0.2439

 89.3300, 0.3283,
0.3379

 92.8155, 0.3277,
0.3435

 96.4122, 0.3271,
0.3491

 98.5487, 0.3268,
0.3523

Harmonies

Analogous

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



54.0214, 0.2565, 0.3261



54.0214, 0.2470, 0.2955



54.0214, 0.2538, 0.2763

Triad

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



54.0214, 0.2470, 0.2955



54.0214, 0.3439, 0.3003



54.0214, 0.3485, 0.3921

Complementary

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



54.0214, 0.2470, 0.2955



41.6495, 0.4174, 0.3592

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.



54.0214, 0.3742, 0.3805



54.0214, 0.2470, 0.2955



54.0214, 0.3720, 0.3275

Square

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



54.0214, 0.2470, 0.2955



54.0214, 0.3082, 0.2803



54.0214, 0.3832, 0.3564



54.0214, 0.3140, 0.3851

Rectangle

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



54.0214, 0.2470, 0.2955



54.0214, 0.2668, 0.2715



54.0214, 0.3832, 0.3564



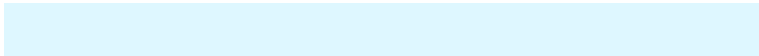
54.0214, 0.3584, 0.3901

Sweetspot

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



54.0235, 0.2470, 0.2955



89.0259, 0.2926, 0.3205



64.0578, 0.2927, 0.4332



18.6835, 0.2892, 0.3189



0.0000, 0.0000, 0.0000



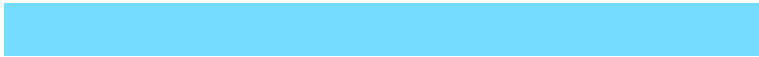
21.4041, 0.3127, 0.3290

Same Dimension

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



54.0235, 0.2470, 0.2955



62.3474, 0.2350, 0.2868



33.3854, 0.2347, 0.2249



15.6883, 0.2981, 0.3229



20.1387, 0.2015, 0.2454



1.6339, 0.2053, 0.2590

Inverse Universe

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



36.8329, 0.3431, 0.2445



39.2339, 0.3521, 0.2280



62.3223, 0.3905, 0.4143



14.5498, 0.3176, 0.3116



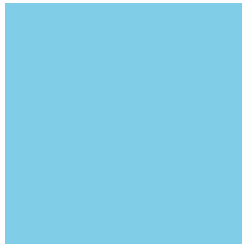
11.2307, 0.3969, 0.1960



0.8446, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 54.0214, 0.2470, 0.2955 looks on a white background.

Color Contrast Check

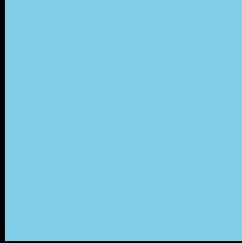
Large Text (above 18pt) WCAG AA × Fail

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 54.0214, 0.2470, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

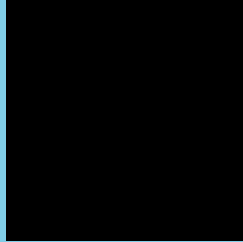
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.0214, 0.2470, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 54.0214, 0.2470, 0.2955.



This preview shows how white text looks on a background with the Yxy color 54.0214, 0.2470, 0.2955.

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

54.0214, 0.2470, 0.2955

Protanopia

53.6646, 0.2882, 0.2931

Deuteranopia

53.5422, 0.2830, 0.2765



Tritanopia

53.9059, 0.2503, 0.3066

Trichromacy



Original Color

54.0214, 0.2470, 0.2955

Protanomaly

53.4757, 0.2712, 0.2943

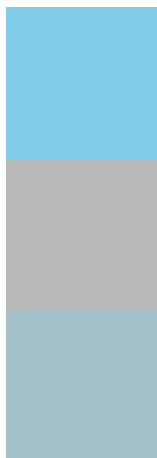
Deuteranomaly

53.3484, 0.2681, 0.2828

Tritanomaly

54.1456, 0.2492, 0.3029

Monochromacy



Original Color

54.0214, 0.2470, 0.2955

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.8561, 0.2840, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0214, 0.2470, 0.2955 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(128, 205, 231)` looks like.

```
.text, #text, p{  
    color:rgb(128, 205, 231)  
}
```

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(128, 205, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 205, 231) }
```

Border

The CSS property to change the border of an element to Yxy 54.0214, 0.2470, 0.2955 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(128, 205, 231) }
```

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

```
.border{ border-color:rgb(128, 205, 231) }
```

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

Here you see how a box with a 4 pixel rgb(128, 205, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 205, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 205, 231);  
box-shadow:4px 4px 4px 4px rgb(128, 205,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 54.0214, 0.2470, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 205, 231) }
```

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

```
.background{ background-color: rgb(128,  
205, 231) }
```

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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