

Converting Colors

$Y_{xy}(50.4888, 0.2516, 0.2905)$

Have a look what the booklet for
Yxy(50.4888, 0.2516, 0.2905)
contains.

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Color

Yxy(50.5744, 0.2515, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	87C5E2
RGB	135, 197, 226
RGB Percent	53%, 77%, 89%
CMY	0.4708, 0.2274, 0.1137
CMYK	0.40, 0.13, 0.00, 0.11
HSL	199°, 61%, 71%
HSV	199°, 40%, 89%
XYZ	43.6795, 50.5744, 79.4220
YIQ	181.7680, -46.2610, -4.1250

Conversions

Conversions Part 2

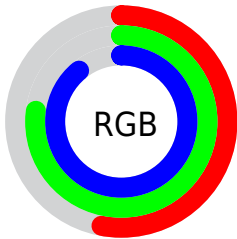
Format	Color
R _Y B	135, 172, 226
Decimal	8898018
CIE Lab	76.42, -12.52, -20.69
CIE LCh	76, 24.181, 238.828
Yxy	50.5744, 0.2515, 0.2912
Android (android.graphics.Color)	4287088098 (0xFF87C5E2)
YUV	181.7680, 21.8064, -41.0155
Hunter-Lab	71.1157, -14.8172, -16.4341

Details

The Yxy color **50.5744, 0.2515, 0.2912** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.4497, 0.4005, 0.3633**, and the grayscale version is **46.5392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1800, 0.2756, 0.3278**, and **24.2907, 0.2357, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **45.7060, 0.2378, 0.2799**, and if you desaturate by 10%, it is **56.0006, 0.2661, 0.3018**.

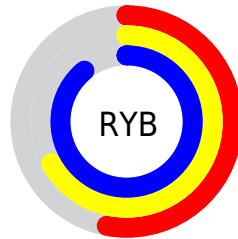
Distribution



Red (53%)

Green (77%)

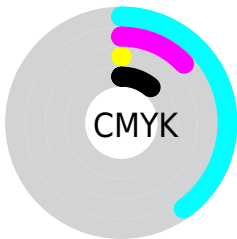
Blue (89%)



Red (53%)

Yellow (67%)

Blue (89%)

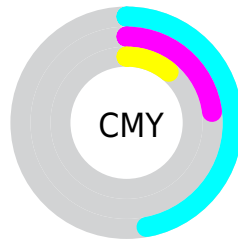


Cyan (40%)

Magenta (13%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (23%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5744, 0.2515, 0.2912 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 50.5744, 0.2515, 0.2912 by changing the saturation by 10% instead.

■ 50.5744, 0.2515,
0.2912

■ 50.5744, 0.2515,
0.2912

■ 388.9080, 0.2810,
0.3102

■ 35.8700, 0.2445,
0.2865

■ 91.0254, 0.2619,
0.2981

■ 24.3338, 0.2358,
0.2805

■ 117.5407, 0.2659,
0.3007

■ 15.5814, 0.2245,
0.2725

■ 148.7618, 0.2693,
0.3029

■ 9.2285, 0.2096,
0.2616

■ 185.0731, 0.2723,
0.3047

■ 4.8905, 0.1889,
0.2459

■ 226.8590, 0.2749,
0.3064

■ 2.1832, 0.1588,
0.2213

■ 274.5038, 0.2771,

■ 0.7108, 0.0943,

0.3078

0.1811

328.3920, 0.2792,
0.3091

0.0000, 0.0000,
0.0000

50.5744, 0.2515,
0.2912

50.5744, 0.2515,
0.2912

45.7060, 0.2378,
0.2799

56.0006, 0.2661,
0.3018

41.3621, 0.2254,
0.2681

62.0040, 0.2814,
0.3116

37.5140, 0.2147,
0.2560

68.6102, 0.2968,
0.3206

34.1270, 0.2060,
0.2438

75.8410, 0.3123,
0.3288

31.1605, 0.1993,
0.2316

83.7171, 0.3274,
0.3361

■ 28.6168, 0.1945,
0.2200

■ 89.1887, 0.3315,
0.3430

■ 93.5156, 0.3306,
0.3500

■ 98.0125, 0.3298,
0.3568

■ 98.2719, 0.3297,
0.3572

Harmonies

Analogous

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



50.5744, 0.2559, 0.3172



50.5744, 0.2515, 0.2912



50.5744, 0.2623, 0.2770

Triad

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



50.5744, 0.2515, 0.2912



50.5744, 0.3508, 0.3093



50.5744, 0.3371, 0.3877

Complementary

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



50.5744, 0.2515, 0.2912



44.4497, 0.4005, 0.3633

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.



50.5744, 0.3643, 0.3819



50.5744, 0.2515, 0.2912



50.5744, 0.3729, 0.3359

Square

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



50.5744, 0.2515, 0.2912



50.5744, 0.3186, 0.2880



50.5744, 0.3778, 0.3623



50.5744, 0.3043, 0.3757

Rectangle

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



50.5744, 0.2515, 0.2912



50.5744, 0.2771, 0.2750



50.5744, 0.3778, 0.3623



50.5744, 0.3472, 0.3877

Sweetspot

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



50.5764, 0.2515, 0.2912



88.5908, 0.2941, 0.3191



62.2199, 0.2909, 0.4126



18.7118, 0.2920, 0.3179



0.0000, 0.0000, 0.0000



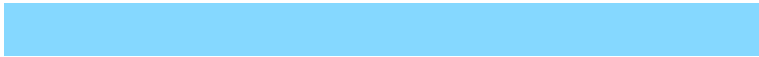
21.4041, 0.3127, 0.3290

Same Dimension

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



50.5764, 0.2515, 0.2912



61.2969, 0.2404, 0.2822



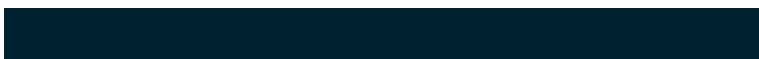
32.9769, 0.2416, 0.2285



14.7977, 0.2982, 0.3214



16.5460, 0.1950, 0.2219



1.3060, 0.2001, 0.2404

Inverse Universe

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



37.5146, 0.3454, 0.2586



42.8847, 0.3544, 0.2453



63.6766, 0.3797, 0.4124



13.8575, 0.3186, 0.3132



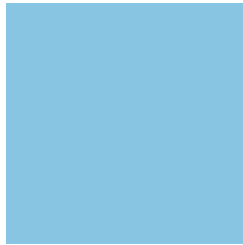
10.5784, 0.4212, 0.2094



0.7493, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 50.5744, 0.2515, 0.2912 looks on a white background.

Color Contrast Check

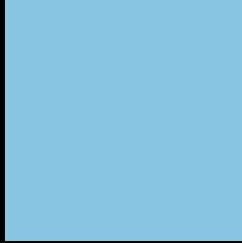
Large Text (above 18pt) WCAG AA × Fail

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 50.5744, 0.2515, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

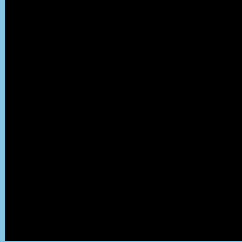
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5744, 0.2515, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 50.5744, 0.2515, 0.2912.



This preview shows how white text looks on a background with the Yxy color 50.5744, 0.2515, 0.2912.

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

50.5744, 0.2515, 0.2912

Protanopia

50.1774, 0.2854, 0.2885

Deuteranopia

50.2524, 0.2808, 0.2751



Tritanopia

50.6587, 0.2562, 0.3076

Trichromacy



Original Color

50.5744, 0.2515, 0.2912

Protanomaly

50.1002, 0.2715, 0.2887

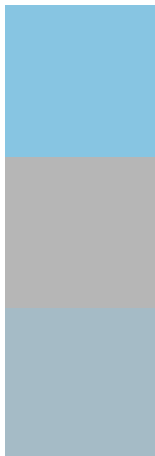
Deuteranomaly

50.2121, 0.2691, 0.2807

Tritanomaly

50.4892, 0.2544, 0.3011

Monochromacy



Original Color

50.5744, 0.2515, 0.2912

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6172, 0.2871, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5744, 0.2515, 0.2912 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(135, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 197, 226)  
}
```

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(135, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 197, 226) }
```

Border

The CSS property to change the border of an element to Yxy 50.5744, 0.2515, 0.2912 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(135, 197, 226) }
```

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

```
.border{ border-color:rgb(135, 197, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 197, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 197, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 197, 226);  
box-shadow:4px 4px 4px 4px rgb(135, 197,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5744, 0.2515, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 197, 226) }
```

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

```
.background{ background-color: rgb(135,  
197, 226) }
```

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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