

Converting Colors

$Y_{xy}(54.9284, 0.2473, 0.2981)$

Have a look what the booklet for
Yxy(54.9284, 0.2473, 0.2981)
contains.

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Color

Yxy(54.9844, 0.2475, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	80CFE7
RGB	128, 207, 231
RGB Percent	50%, 81%, 91%
CMY	0.4976, 0.1883, 0.0941
CMYK	0.45, 0.10, 0.00, 0.09
HSL	194°, 68%, 70%
HSV	194°, 45%, 91%
XYZ	45.6513, 54.9844, 83.8139
YIQ	186.1150, -54.7880, -9.2840

Conversions

Conversions Part 2

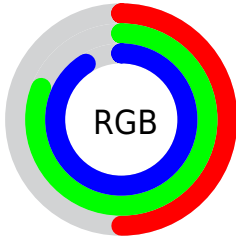
Format	Color
R _Y B	128, 173, 231
Decimal	8441831
CIE Lab	79.03, -18.05, -19.45
CIE LCh	79, 26.534, 227.126
Yxy	54.9844, 0.2475, 0.2981
Android (android.graphics.Color)	4286631911 (0xFF80CFE7)
YUV	186.1150, 22.1283, -50.9669
Hunter-Lab	74.1515, -19.8718, -15.1098

Details

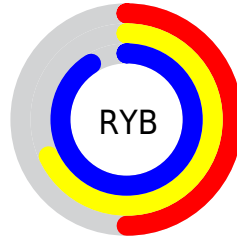
The Yxy color **54.9844, 0.2475, 0.2981** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0511, 0.4183, 0.3569**, and the grayscale version is **49.0817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **27.1797, 0.2316, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **50.8240, 0.2354, 0.2899**, and if you desaturate by 10%, it is **59.6461, 0.2609, 0.3060**.

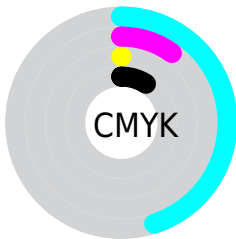
Distribution



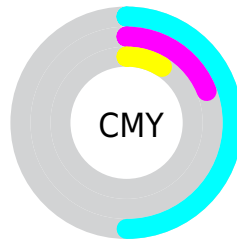
- Red (50%)
- Green (81%)
- Blue (91%)



- Red (50%)
- Yellow (68%)
- Blue (91%)



- Cyan (45%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9844, 0.2475, 0.2981 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 54.9844, 0.2475, 0.2981 by changing the saturation by 10% instead.

■ 54.9844, 0.2475,
0.2981

■ 54.9844, 0.2475,
0.2981

405.8528, 0.2784,
0.3137

■ 39.3892, 0.2403,
0.2942

■ 97.5181, 0.2583,
0.3038

■ 27.0627, 0.2314,
0.2892

■ 125.2254, 0.2625,
0.3059

■ 17.6203, 0.2200,
0.2827

■ 157.7389, 0.2661,
0.3077

■ 10.6777, 0.2051,
0.2736

195.4430, 0.2692,
0.3093

■ 5.8506, 0.1848,
0.2605

238.7220, 0.2719,
0.3106

■ 2.7544, 0.1558,
0.2402

287.9604, 0.2743,

■ 1.0049, 0.1050,

0.3118

0.2070

343.5425, 0.2765,
0.3128

0.0000, 0.0000,
0.0000

54.9844, 0.2475,
0.2981

54.9844, 0.2475,
0.2981

50.8240, 0.2354,
0.2899

59.6461, 0.2609,
0.3060

47.1297, 0.2249,
0.2813

64.8292, 0.2753,
0.3133

43.8712, 0.2163,
0.2726

70.5597, 0.2903,
0.3201

41.0110, 0.2096,
0.2639

76.8603, 0.3057,
0.3264

38.5033, 0.2049,
0.2553

83.7521, 0.3211,
0.3320

■ 37.2450, 0.2030,
0.2506

■ 88.9650, 0.3284,
0.3372

■ 92.1763, 0.3278,
0.3425

■ 95.4826, 0.3273,
0.3476

■ 98.5500, 0.3268,
0.3522

Harmonies

Analogous

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



54.9844, 0.2584, 0.3293



54.9844, 0.2475, 0.2981



54.9844, 0.2527, 0.2778

Triad

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



54.9844, 0.2475, 0.2981



54.9844, 0.3406, 0.2982



54.9844, 0.3512, 0.3914

Complementary

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



54.9844, 0.2475, 0.2981



41.0511, 0.4183, 0.3569

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.



54.9844, 0.3755, 0.3784



54.9844, 0.2475, 0.2981



54.9844, 0.3697, 0.3248

Square

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



54.9844, 0.2475, 0.2981



54.9844, 0.3049, 0.2792



54.9844, 0.3826, 0.3537



54.9844, 0.3173, 0.3863

Rectangle

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



54.9844, 0.2475, 0.2981



54.9844, 0.2648, 0.2720



54.9844, 0.3826, 0.3537



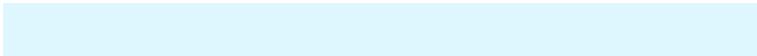
54.9844, 0.3608, 0.3889

Sweetspot

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



54.9865, 0.2475, 0.2981



89.4071, 0.2926, 0.3211



64.0253, 0.2936, 0.4354



18.7782, 0.2892, 0.3196



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.



54.9865, 0.2475, 0.2981



64.2174, 0.2368, 0.2909



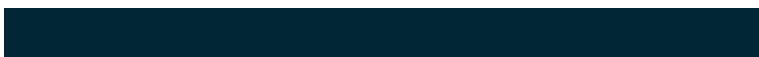
33.9935, 0.2352, 0.2274



15.7359, 0.2981, 0.3234



21.0768, 0.2033, 0.2520



1.6962, 0.2068, 0.2645

Inverse Universe

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



36.9615, 0.3410, 0.2426



40.0088, 0.3485, 0.2274



61.5329, 0.3912, 0.4126



14.5546, 0.3173, 0.3112



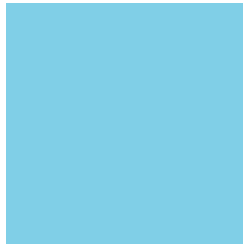
11.3254, 0.3902, 0.1923



0.8509, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 54.9844, 0.2475, 0.2981 looks on a white background.

Color Contrast Check

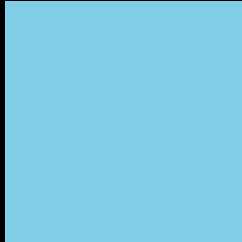
Large Text (above 18pt) WCAG AA × Fail

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 54.9844, 0.2475, 0.2981 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 54.9844, 0.2475, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 54.9844, 0.2475, 0.2981.



This preview shows how white text looks on a background with the Yxy color 54.9844, 0.2475, 0.2981.

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

54.9844, 0.2475, 0.2981

Protanopia

54.3610, 0.2897, 0.2944

Deuteranopia

54.2944, 0.2838, 0.2769



Tritanopia

54.9836, 0.2497, 0.3068

Trichromacy



Original Color

54.9844, 0.2475, 0.2981

Protanomaly

54.0399, 0.2720, 0.2956

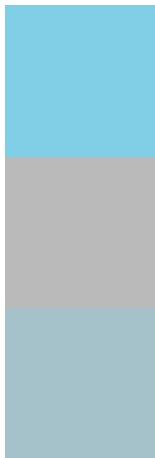
Deuteranomaly

53.9664, 0.2683, 0.2830

Tritanomaly

55.1698, 0.2492, 0.3043

Monochromacy



Original Color

54.9844, 0.2475, 0.2981

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.8472, 0.2849, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9844, 0.2475, 0.2981 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, 207, 231)` looks like.

```
.text, #text, p{  
    color:rgb(128, 207, 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, 207, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 207, 231) }
```

Border

The CSS property to change the border of an element to Yxy 54.9844, 0.2475, 0.2981 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, 207, 231) }
```

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

```
.border{ border-color:rgb(128, 207, 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, 207, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 207, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 207, 231);  
box-shadow:4px 4px 4px 4px rgb(128, 207,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9844, 0.2475, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 207, 231) }
```

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

```
.background{ background-color: rgb(128,  
207, 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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