

Converting Colors

$Y_{xy}(54.5320, 0.2437, 0.2870)$

Have a look what the booklet for
Yxy(54.5320, 0.2437, 0.2870)
contains.

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Color

Yxy(54.4249, 0.2436, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	80CDEE
RGB	128, 205, 238
RGB Percent	50%, 80%, 93%
CMY	0.4976, 0.1961, 0.0666
CMYK	0.46, 0.14, 0.00, 0.07
HSL	198°, 76%, 72%
HSV	198°, 46%, 93%
XYZ	46.1787, 54.4249, 88.9641
YIQ	185.7390, -56.4850, -6.0610

Conversions

Conversions Part 2

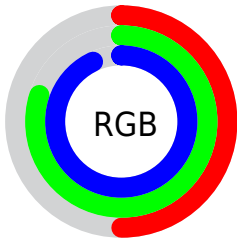
Format	Color
R _{YB}	128, 173, 238
Decimal	8441326
CIE _{Lab}	78.71, -15.16, -23.68
CIE _{LCh}	79, 28.118, 237.382
Y _{xy}	54.4249, 0.2436, 0.2871
Android (android.graphics.Color)	4286631406 (0xFF80CDEE)
YUV	185.7390, 25.7647, -50.6371
Hunter-Lab	73.7732, -17.3702, -19.8574

Details

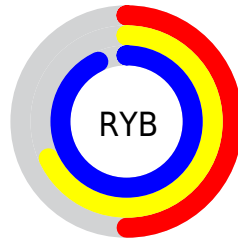
The Yxy color **54.4249, 0.2436, 0.2871** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.2764, 0.4199, 0.3661**, and the grayscale version is **48.8408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **26.8127, 0.2269, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **49.4473, 0.2309, 0.2762**, and if you desaturate by 10%, it is **59.9960, 0.2576, 0.2975**.

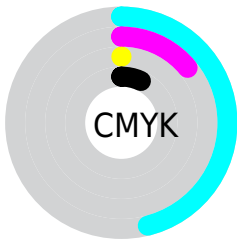
Distribution



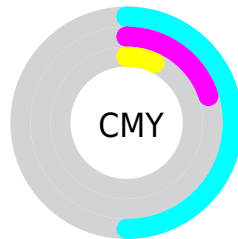
- Red (50%)
- Green (80%)
- Blue (93%)



- Red (50%)
- Yellow (68%)
- Blue (93%)



- Cyan (46%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (50%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4249, 0.2436, 0.2871 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 54.4249, 0.2436, 0.2871 by changing the saturation by 10% instead.

■ 54.4249, 0.2436,
0.2871

■ 54.4249, 0.2436,
0.2871

■ 403.7282, 0.2763,
0.3079

■ 38.9415, 0.2360,
0.2820

■ 96.6978, 0.2550,
0.2946

■ 26.7142, 0.2266,
0.2756

■ 124.2561, 0.2595,
0.2974

■ 17.3587, 0.2147,
0.2671

■ 156.6082, 0.2633,
0.2999

■ 10.4906, 0.1991,
0.2557

■ 194.1383, 0.2666,
0.3019

■ 5.7254, 0.1780,
0.2395

■ 237.2310, 0.2694,
0.3037

■ 2.6788, 0.1483,
0.2150

■ 286.2706, 0.2720,

■ 0.9665, 0.0998,

0.3053

0.1765

341.6416, 0.2743,
0.3067

0.0000, 0.0000,
0.0000

54.4249, 0.2436,
0.2871

54.4249, 0.2436,
0.2871

49.4473, 0.2309,
0.2762

59.9960, 0.2576,
0.2975

45.0242, 0.2197,
0.2649

66.1840, 0.2724,
0.3072

41.1209, 0.2104,
0.2534

73.0186, 0.2877,
0.3162

37.6946, 0.2031,
0.2419

80.5252, 0.3032,
0.3244

34.6926, 0.1979,
0.2305

88.7277, 0.3186,
0.3317

■ 33.6242, 0.1962,
0.2262

■ 94.5040, 0.3232,
0.3386

■ 98.9534, 0.3226,
0.3454

Harmonies

Analogous

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



54.4249, 0.2493, 0.3170



54.4249, 0.2436, 0.2871



54.4249, 0.2548, 0.2707

Triad

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



54.4249, 0.2436, 0.2871



54.4249, 0.3543, 0.3053



54.4249, 0.3418, 0.3961

Complementary

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



54.4249, 0.2436, 0.2871



45.2764, 0.4199, 0.3661

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.



54.4249, 0.3722, 0.3880



54.4249, 0.2436, 0.2871



54.4249, 0.3804, 0.3349

Square

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



54.4249, 0.2436, 0.2871



54.4249, 0.3174, 0.2820



54.4249, 0.3869, 0.3649



54.4249, 0.3047, 0.3835

Rectangle

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



54.4249, 0.2436, 0.2871



54.4249, 0.2709, 0.2682



54.4249, 0.3869, 0.3649



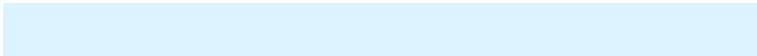
54.4249, 0.3532, 0.3955

Sweetspot

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



54.4270, 0.2436, 0.2871



87.1923, 0.2910, 0.3180



68.3269, 0.2893, 0.4303



18.2704, 0.2876, 0.3161



0.0000, 0.0000, 0.0000



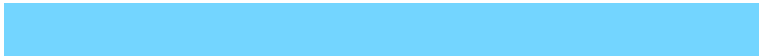
21.4041, 0.3127, 0.3290

Same Dimension

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



54.4270, 0.2436, 0.2871



58.3646, 0.2320, 0.2773



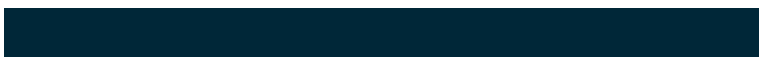
32.6133, 0.2302, 0.2129



17.0803, 0.2981, 0.3217



18.9950, 0.1967, 0.2280



1.7535, 0.2008, 0.2429

Inverse Universe

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



38.0531, 0.3500, 0.2466



38.2614, 0.3602, 0.2323



68.8657, 0.3910, 0.4225



15.9458, 0.3184, 0.3126



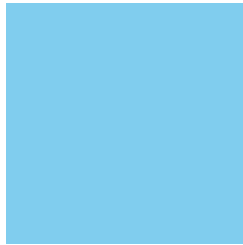
11.7109, 0.4147, 0.2058



0.9917, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 54.4249, 0.2436, 0.2871 looks on a white background.

Color Contrast Check

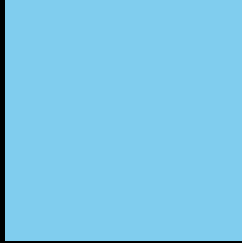
Large Text (above 18pt) WCAG AA × Fail

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 54.4249, 0.2436, 0.2871 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 54.4249, 0.2436, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 54.4249, 0.2436, 0.2871.



This preview shows how white text looks on a background with the Yxy color 54.4249, 0.2436, 0.2871.

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

54.4249, 0.2436, 0.2871

Protanopia

53.7955, 0.2821, 0.2850

Deuteranopia

53.9966, 0.2764, 0.2700



Tritanopia

54.2926, 0.2490, 0.3067

Trichromacy



Original Color

54.4249, 0.2436, 0.2871

Protanomaly

53.7580, 0.2664, 0.2861

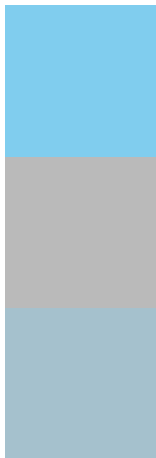
Deuteranomaly

53.5370, 0.2627, 0.2748

Tritanomaly

54.1597, 0.2467, 0.2991

Monochromacy



Original Color

54.4249, 0.2436, 0.2871

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.5470, 0.2828, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4249, 0.2436, 0.2871 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(128, 205, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 205, 238) }
```

Border

The CSS property to change the border of an element to Yxy 54.4249, 0.2436, 0.2871 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, 238) }
```

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

```
.border{ border-color:rgb(128, 205, 238) }
```

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, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 205, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 205, 238);  
box-shadow:4px 4px 4px 4px rgb(128, 205,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4249, 0.2436, 0.2871 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, 238) }
```

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

```
.background{ background-color: rgb(128,  
205, 238) }
```

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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