

Converting Colors

$Yxy(46.0361, 0.2283, 0.2870)$

Have a look what the booklet for
Yxy(46.0361, 0.2283, 0.2870)
contains.

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Color

Yxy(45.8967, 0.2283, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	55C2E0
RGB	85, 194, 224
RGB Percent	33%, 76%, 88%
CMY	0.6665, 0.2392, 0.1215
CMYK	0.62, 0.13, 0.00, 0.12
HSL	193°, 69%, 61%
HSV	193°, 62%, 88%
XYZ	36.4967, 45.8967, 77.4697
YIQ	164.8290, -74.5940, -13.7780

Conversions

Conversions Part 2

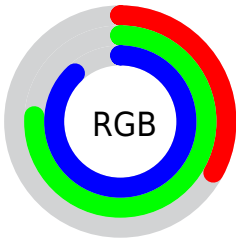
Format	Color
R _{YB}	85, 146, 224
Decimal	5620448
CIE Lab	73.48, -22.26, -24.27
CIE LCh	73, 32.938, 227.475
Yxy	45.8967, 0.2283, 0.2871
Android (android.graphics.Color)	4283810528 (0xFF55C2E0)
YUV	164.8290, 29.1713, -70.0100
Hunter-Lab	67.7471, -22.3958, -20.3759

Details

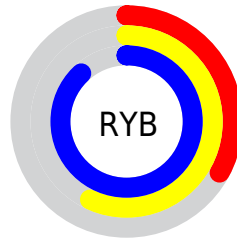
The Yxy color **45.8967, 0.2283, 0.2871** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **28.7823, 0.4850, 0.3623**, and the grayscale version is **37.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4174, 0.2541, 0.3243**, and **21.6207, 0.2094, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **42.8910, 0.2194, 0.2792**, and if you desaturate by 10%, it is **49.3078, 0.2390, 0.2949**.

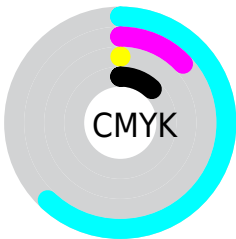
Distribution



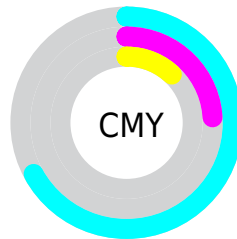
- Red (33%)
- Green (76%)
- Blue (88%)



- Red (33%)
- Yellow (57%)
- Blue (88%)



- Cyan (62%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)




- Cyan (67%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8967, 0.2283, 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 45.8967, 0.2283, 0.2871 by changing the saturation by 10% instead.


 45.8967, 0.2283,
0.2871


 45.8967, 0.2283,
0.2871


370.3932, 0.2690,
0.3090

 32.1643, 0.2187,
0.2815


 84.0644, 0.2427,
0.2952

 21.4870, 0.2067,
0.2741


 109.2685, 0.2482,
0.2982

 13.4805, 0.1913,
0.2643


 139.0652, 0.2530,
0.3007

 7.7602, 0.1711,
0.2506

 173.8391, 0.2571,
0.3029

 3.9419, 0.1437,
0.2303

213.9744, 0.2606,
0.3047

 1.6411, 0.1057,
0.1982

259.8556, 0.2638,

 0.3851, 0.0000,

0.3063

0.1275

311.8671, 0.2666,
0.3077

■ 0.0000, 0.0000,
0.0000

■ 45.8967, 0.2283,
0.2871

■ 45.8967, 0.2283,
0.2871

■ 42.8910, 0.2194,
0.2792

■ 49.3078, 0.2390,
0.2949

■ 40.2524, 0.2125,
0.2712

■ 53.1480, 0.2512,
0.3024

■ 37.9427, 0.2076,
0.2632

■ 57.4452, 0.2647,
0.3095

■ 36.2877, 0.2047,
0.2570

■ 62.2229, 0.2792,
0.3162

■ 67.5030, 0.2942,
0.3223

73.3057, 0.3096,
0.3279

79.6504, 0.3250,
0.3330

84.7573, 0.3337,
0.3377

87.5305, 0.3331,
0.3424

Harmonies

Analogous

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



45.8967, 0.2416, 0.3280



45.8967, 0.2283, 0.2871



45.8967, 0.2352, 0.2618

Triad

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



45.8967, 0.2283, 0.2871



45.8967, 0.3497, 0.2894



45.8967, 0.3619, 0.4117

Complementary

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



45.8967, 0.2283, 0.2871



28.7823, 0.4850, 0.3623

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.



45.8967, 0.3947, 0.3930



45.8967, 0.2283, 0.2871



45.8967, 0.3885, 0.3231

Square

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



45.8967, 0.2283, 0.2871



45.8967, 0.3025, 0.2650



45.8967, 0.4051, 0.3602



45.8967, 0.3174, 0.4058

Rectangle

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



45.8967, 0.2283, 0.2871



45.8967, 0.2507, 0.2551



45.8967, 0.4051, 0.3602



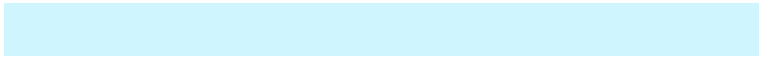
45.8967, 0.3748, 0.4077

Sweetspot

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



45.8984, 0.2283, 0.2871



85.4438, 0.2835, 0.3180



56.4436, 0.2915, 0.4928



17.8667, 0.2792, 0.3162



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.



45.8984, 0.2283, 0.2871



56.6021, 0.2175, 0.2772



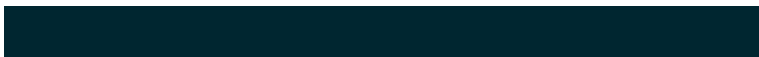
22.4258, 0.2051, 0.1857



15.0435, 0.2982, 0.3238



21.2928, 0.2051, 0.2582



1.6023, 0.2084, 0.2703

Inverse Universe

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



26.2484, 0.3533, 0.2121



30.0588, 0.3641, 0.1976



50.0963, 0.4278, 0.4358



13.8823, 0.3171, 0.3108



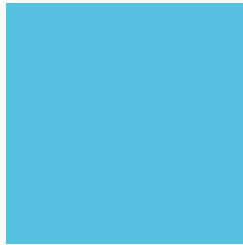
11.0576, 0.3842, 0.1890



0.7792, 0.3725, 0.1826

Previews

White Background



This preview shows how the Yxy color 45.8967, 0.2283, 0.2871 looks on a white background.

Color Contrast Check

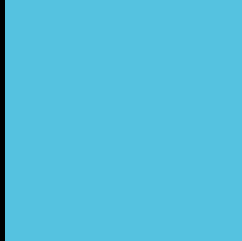
Large Text (above 18pt) WCAG AA × Fail

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 45.8967, 0.2283, 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 45.8967, 0.2283, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 45.8967, 0.2283, 0.2871.

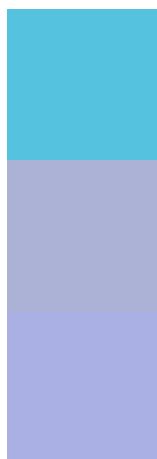


This preview shows how white text looks on a background with the Yxy color 45.8967, 0.2283, 0.2871.

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

45.8967, 0.2283, 0.2871

Protanopia

45.4155, 0.2814, 0.2844

Deuteranopia

45.3100, 0.2704, 0.2645



Tritanopia

45.8956, 0.2322, 0.3059

Trichromacy



Original Color

45.8967, 0.2283, 0.2871

Protanomaly

44.8662, 0.2570, 0.2848

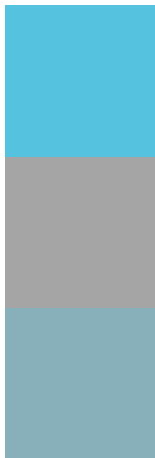
Deuteranomaly

44.9885, 0.2510, 0.2714

Tritanomaly

45.7374, 0.2308, 0.2990

Monochromacy



Original Color

45.8967, 0.2283, 0.2871

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.8301, 0.2726, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8967, 0.2283, 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(85, 194, 224)` looks like.

```
.text, #text, p{  
    color:rgb(85, 194, 224)  
}
```

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(85, 194, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 194, 224) }
```

Border

The CSS property to change the border of an element to Yxy 45.8967, 0.2283, 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(85, 194, 224) }
```

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

```
.border{ border-color:rgb(85, 194, 224) }
```

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

Here you see how a box with a 4 pixel rgb(85, 194, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 194, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 194, 224);  
box-shadow:4px 4px 4px 4px rgb(85, 194,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8967, 0.2283, 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(85, 194, 224) }
```

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

```
.background{ background-color: rgb(85, 194,  
224) }
```

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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