

Converting Colors

$Yxy(45.1363, 0.2106, 0.2664)$

Have a look what the booklet for
Yxy(45.1363, 0.2106, 0.2664)
contains.

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Color

Yxy(45.2469, 0.2107, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	27C2EF
RGB	39, 194, 239
RGB Percent	15%, 76%, 94%
CMY	0.8473, 0.2392, 0.0628
CMYK	0.84, 0.19, 0.00, 0.06
HSL	193°, 86%, 54%
HSV	193°, 84%, 94%
XYZ	35.7061, 45.2469, 88.5111
YIQ	152.7850, -106.8250, -18.8650

Conversions

Conversions Part 2

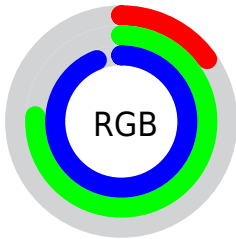
Format	Color
R _Y B	39, 126, 239
Decimal	2605807
CIE Lab	73.05, -23.08, -33.11
CIE LCh	73, 40.363, 235.127
Yxy	45.2469, 0.2107, 0.2670
Android (android.graphics.Color)	4280795887 (0xFF27C2EF)
YUV	152.7850, 42.5040, -99.7894
Hunter-Lab	67.2658, -22.9637, -30.9301

Details

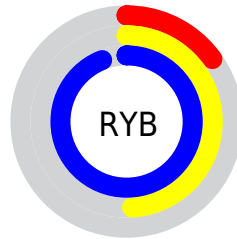
The Yxy color **45.2469, 0.2107, 0.2670** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **24.8278, 0.5704, 0.3619**, and the grayscale version is **31.5978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2074, 0.2437, 0.3242**, and **22.1751, 0.2032, 0.2513** is the 20% darker color. If you saturate the color by 10%, you get **42.5705, 0.2060, 0.2587**, and if you desaturate by 10%, it is **48.3062, 0.2174, 0.2754**.

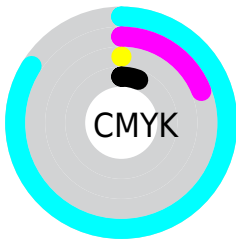
Distribution



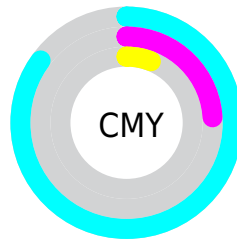
- Red (15%)
- Green (76%)
- Blue (94%)



- Red (15%)
- Yellow (49%)
- Blue (94%)



- Cyan (84%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)





- Cyan (85%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2469, 0.2107, 0.2670 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 45.2469, 0.2107, 0.2670 by changing the saturation by 10% instead.


 45.2469, 0.2107,
0.2670


 45.2469, 0.2107,
0.2670


367.7726, 0.2593,
0.2989


 31.6519, 0.1995,
0.2590


 83.0908, 0.2277,
0.2787


 21.0958, 0.1856,
0.2488


 108.1085, 0.2343,
0.2830


 13.1940, 0.1682,
0.2354


 137.7026, 0.2400,
0.2867

 7.5623, 0.1459,
0.2171

 172.2575, 0.2449,
0.2899

 3.8162, 0.1169,
0.1914

 212.1575, 0.2492,
0.2926

 1.5713, 0.0793,
0.1537

257.7871, 0.2530,

 0.3381, 0.0000,

0.2949

0.0796

309.5307, 0.2563,
0.2970

■ 0.0000, 0.0000,
0.0000

■ 45.2469, 0.2107,
0.2670

■ 45.2469, 0.2107,
0.2670

■ 42.5705, 0.2060,
0.2587

■ 48.3062, 0.2174,
0.2754

■ 41.0332, 0.2038,
0.2535

■ 51.7922, 0.2260,
0.2837

■ 55.7467, 0.2365,
0.2919

■ 60.2046, 0.2487,
0.2999

■ 65.1969, 0.2621,
0.3074

70.7519, 0.2765,
0.3144

76.8954, 0.2916,
0.3210

83.6518, 0.3070,
0.3269

91.0437, 0.3224,
0.3323

Harmonies

Analogous

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



45.2469, 0.2200, 0.3125



45.2469, 0.2107, 0.2670



45.2469, 0.2249, 0.2431

Triad

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



45.2469, 0.2107, 0.2670



45.2469, 0.3720, 0.2903



45.2469, 0.3587, 0.4328

Complementary

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



45.2469, 0.2107, 0.2670



24.8278, 0.5704, 0.3619

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.



45.2469, 0.4044, 0.4143



45.2469, 0.2107, 0.2670



45.2469, 0.4145, 0.3320

Square

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



45.2469, 0.2107, 0.2670



45.2469, 0.3144, 0.2580



45.2469, 0.4261, 0.3763



45.2469, 0.3030, 0.4179

Rectangle

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



45.2469, 0.2107, 0.2670



45.2469, 0.2468, 0.2394



45.2469, 0.4261, 0.3763



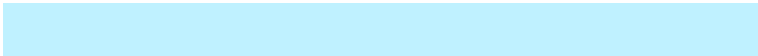
45.2469, 0.3758, 0.4298

Sweetspot

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



45.2485, 0.2107, 0.2670



81.0397, 0.2745, 0.3135



62.7762, 0.2905, 0.5487



16.8509, 0.2693, 0.3110



0.0000, 0.0000, 0.0000



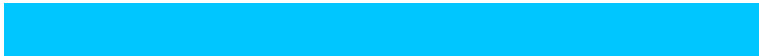
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2485, 0.2107, 0.2670



47.4480, 0.2037, 0.2532



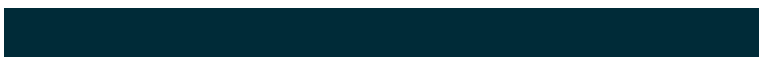
14.9602, 0.1728, 0.1257



17.2907, 0.2981, 0.3236



22.8816, 0.2041, 0.2548



2.0496, 0.2072, 0.2657

Inverse Universe

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



23.6933, 0.3746, 0.1927



25.3211, 0.3890, 0.1917



52.0826, 0.4627, 0.4568



15.9670, 0.3172, 0.3109



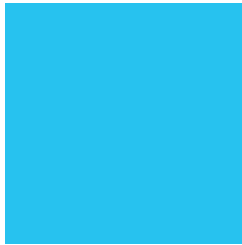
12.1033, 0.3874, 0.1908



1.0216, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 45.2469, 0.2107, 0.2670 looks on a white background.

Color Contrast Check

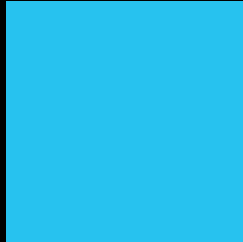
Large Text (above 18pt) WCAG AA × Fail

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 45.2469, 0.2107, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

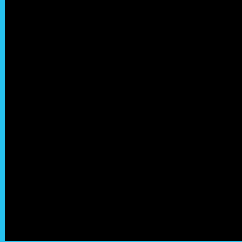
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2469, 0.2107, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 45.2469, 0.2107, 0.2670.

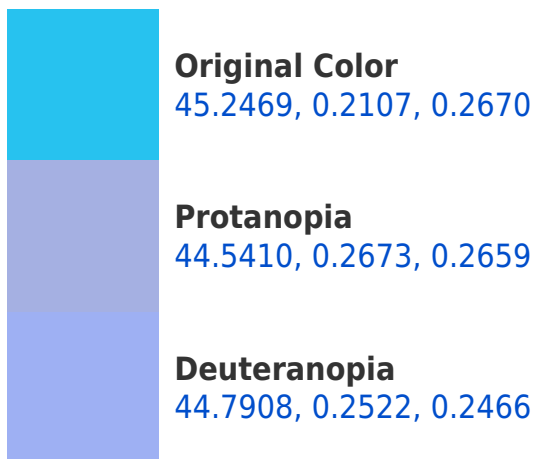


This preview shows how white text looks on a background with the Yxy color 45.2469, 0.2107, 0.2670.

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





Tritanopia

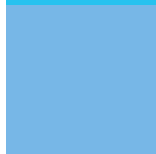
45.2432, 0.2181, 0.3052

Trichromacy



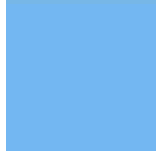
Original Color

45.2469, 0.2107, 0.2670



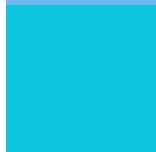
Protanomaly

43.5584, 0.2369, 0.2648



Deuteranomaly

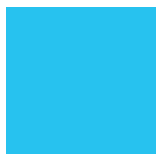
43.9226, 0.2296, 0.2520



Tritanomaly

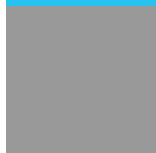
45.3536, 0.2151, 0.2914

Monochromacy



Original Color

45.2469, 0.2107, 0.2670



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9107, 0.2556, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2469, 0.2107, 0.2670 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(39, 194, 239)` looks like.

```
.text, #text, p{  
    color:rgb(39, 194, 239)  
}
```

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(39, 194, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 194, 239) }
```

Border

The CSS property to change the border of an element to Yxy 45.2469, 0.2107, 0.2670 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(39, 194, 239) }
```

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

```
.border{ border-color:rgb(39, 194, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 194, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 194, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 194, 239);  
box-shadow:4px 4px 4px 4px rgb(39, 194,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2469, 0.2107, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 194, 239) }
```

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

```
.background{ background-color: rgb(39, 194,  
239) }
```

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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