

Converting Colors

$Y_{xy}(64.9361, 0.2248, 0.2970)$

Have a look what the booklet for
Yxy(64.9361, 0.2248, 0.2970)
contains.

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Color

Yxy(64.8364, 0.2249, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	4DE5FF
RGB	77, 229, 255
RGB Percent	30%, 90%, 100%
CMY	0.6970, 0.1020, 0.0000
CMYK	0.70, 0.10, 0.00, 0.00
HSL	189°, 100%, 65%
HSV	189°, 70%, 100%
XYZ	49.1463, 64.8364, 104.5424
YIQ	186.5160, -98.9380, -24.1380

Conversions

Conversions Part 2

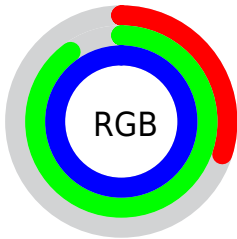
Format	Color
RYB	77, 159, 255
Decimal	5105151
CIELab	84.40, -31.44, -24.20
CIELCh	84, 39.677, 217.592
Yxy	64.8364, 0.2249, 0.2967
Android (android.graphics.Color)	4283295231 (0xFF4DE5FF)
YUV	186.5160, 33.7626, -96.0455
Hunter-Lab	80.5211, -31.9638, -20.6129

Details

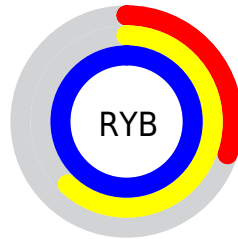
The Yxy color **64.8364, 0.2249, 0.2967** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.5549, 0.5293, 0.3519**, and the grayscale version is **49.2954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **33.9644, 0.2135, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **61.9297, 0.2186, 0.2914**, and if you desaturate by 10%, it is **68.2063, 0.2332, 0.3020**.

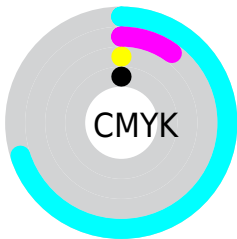
Distribution



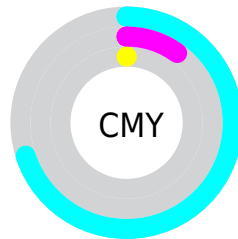
- Red (30%)
- Green (90%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)



- Cyan (70%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8364, 0.2249, 0.2967 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 64.8364, 0.2249, 0.2967 by changing the saturation by 10% instead.


 64.8364, 0.2249,
0.2967


 64.8364, 0.2249,
0.2967


442.2038, 0.2647,
0.3132

 47.3284, 0.2161,
0.2926


 111.8146, 0.2385,
0.3027


 33.2954, 0.2054,
0.2874


 142.0537, 0.2439,
0.3049

 22.3528, 0.1921,
0.2806


 177.3052, 0.2485,
0.3068

 14.1164, 0.1754,
0.2714

 217.9536, 0.2526,
0.3085

 8.2016, 0.1536,
0.2584

264.3833, 0.2561,
0.3099

 4.2242, 0.1249,
0.2388

316.9786, 0.2593,

 1.7998, 0.0862,

0.3111

0.2076

376.1240, 0.2622,
0.3122

0.4870, 0.0000,
0.1460

0.0000, 0.0000,
0.0000

64.8364, 0.2249,
0.2967

64.8364, 0.2249,
0.2967

61.9297, 0.2186,
0.2914

68.2063, 0.2332,
0.3020

59.4300, 0.2142,
0.2862

72.0787, 0.2434,
0.3071

57.2565, 0.2114,
0.2811

76.4931, 0.2552,
0.3121

57.1941, 0.2114,
0.2809

81.4839, 0.2684,
0.3168

■ 87.0822, 0.2826,
0.3212

■ 93.3170, 0.2977,
0.3254

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



64.8364, 0.2458, 0.3442



64.8364, 0.2249, 0.2967



64.8364, 0.2253, 0.2637

Triad

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



64.8364, 0.2249, 0.2967



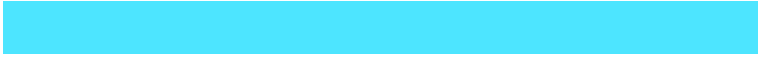
64.8364, 0.3358, 0.2768



64.8364, 0.3788, 0.4134

Complementary

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



64.8364, 0.2249, 0.2967



31.5549, 0.5293, 0.3519

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.



64.8364, 0.4073, 0.3866



64.8364, 0.2249, 0.2967



64.8364, 0.3824, 0.3099

Square

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



64.8364, 0.2249, 0.2967



64.8364, 0.2858, 0.2554



64.8364, 0.4093, 0.3489



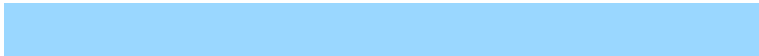
64.8364, 0.3337, 0.4173

Rectangle

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



64.8364, 0.2249, 0.2967



64.8364, 0.2372, 0.2525



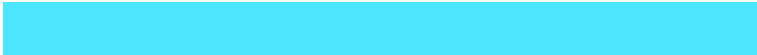
64.8364, 0.4093, 0.3489



64.8364, 0.3908, 0.4064

Sweetspot

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



64.8379, 0.2249, 0.2967



86.3204, 0.2807, 0.3207



74.0473, 0.2949, 0.5302



18.1367, 0.2767, 0.3195



0.0000, 0.0000, 0.0000



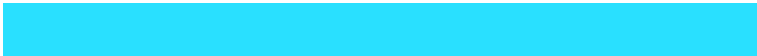
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8379, 0.2249, 0.2967



60.8088, 0.2165, 0.2892



28.2830, 0.1959, 0.1795



20.0015, 0.2980, 0.3254



30.0579, 0.2116, 0.2818



3.0448, 0.2133, 0.2877

Inverse Universe

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



32.2603, 0.3464, 0.1925



28.1947, 0.3544, 0.1803



58.5521, 0.4527, 0.4348



18.2520, 0.3161, 0.3089



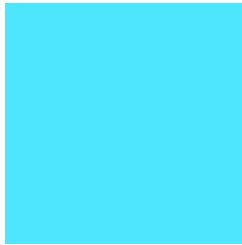
13.7623, 0.3618, 0.1767



1.3519, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 64.8364, 0.2249, 0.2967 looks on a white background.

Color Contrast Check

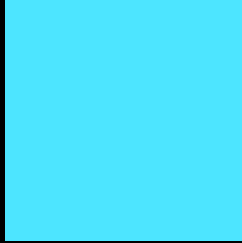
Large Text (above 18pt) WCAG AA × Fail

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 64.8364, 0.2249, 0.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

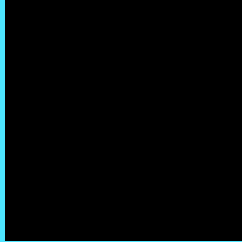
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8364, 0.2249, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 64.8364, 0.2249, 0.2967.

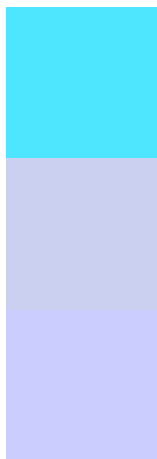


This preview shows how white text looks on a background with the Yxy color 64.8364, 0.2249, 0.2967.

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

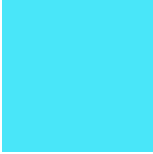
64.8364, 0.2249, 0.2967

Protanopia

63.6134, 0.2879, 0.2922

Deuteranopia

63.7200, 0.2792, 0.2747



Tritanopia

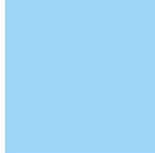
64.8496, 0.2265, 0.3050

Trichromacy



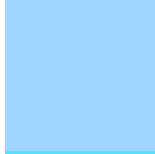
Original Color

64.8364, 0.2249, 0.2967



Protanomaly

62.3615, 0.2572, 0.2933



Deuteranomaly

62.5822, 0.2526, 0.2813



Tritanomaly

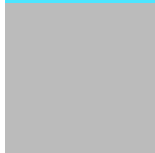
65.0545, 0.2262, 0.3027

Monochromacy



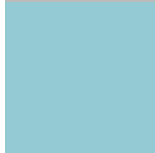
Original Color

64.8364, 0.2249, 0.2967



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.1976, 0.2674, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8364, 0.2249, 0.2967 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(77, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 229, 255)  
}
```

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(77, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.8364, 0.2249, 0.2967 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(77, 229, 255) }
```

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

```
.border{ border-color:rgb(77, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8364, 0.2249, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 229, 255) }
```

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

```
.background{ background-color: rgb(77, 229,  
255) }
```

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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