

Converting Colors

$Yxy(67.2586, 0.2247, 0.3028)$

Have a look what the booklet for
Yxy(67.2586, 0.2247, 0.3028)
contains.

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Color

Yxy(67.3308, 0.2247, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	45EAFF
RGB	69, 234, 255
RGB Percent	27%, 92%, 100%
CMY	0.7288, 0.0824, 0.0001
CMYK	0.73, 0.08, 0.00, 0.00
HSL	187°, 100%, 64%
HSV	187°, 73%, 100%
XYZ	49.9315, 67.3308, 104.9516
YIQ	187.0590, -105.0810, -28.4490

Conversions

Conversions Part 2

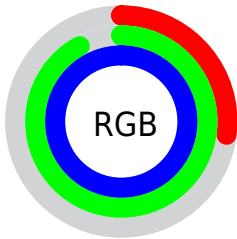
Format	Color
RYB	69, 156, 255
Decimal	4582143
CIELab	85.67, -34.79, -22.27
CIELCh	86, 41.309, 212.621
Yxy	67.3308, 0.2247, 0.3030
Android (android.graphics.Color)	4282772223 (0xFF45EAF7)
YUV	187.0590, 33.4949, -103.5377
Hunter-Lab	82.0553, -34.9779, -18.3952

Details

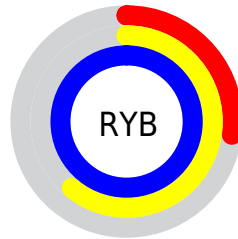
The Yxy color **67.3308, 0.2247, 0.3030** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.0227, 0.5484, 0.3462**, and the grayscale version is **49.6059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **35.9180, 0.2158, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **64.9643, 0.2195, 0.2990**, and if you desaturate by 10%, it is **70.1293, 0.2319, 0.3070**.

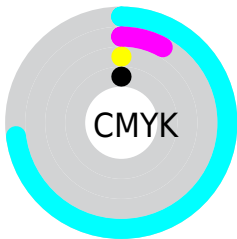
Distribution



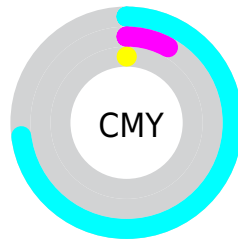
- Red (27%)
- Green (92%)
- Blue (100%)



- Red (27%)
- Yellow (61%)
- Blue (100%)



- Cyan (73%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3308, 0.2247, 0.3030 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 67.3308, 0.2247, 0.3030 by changing the saturation by 10% instead.


 67.3308, 0.2247,
0.3030

 67.3308, 0.2247,
0.3030


451.1213, 0.2644,
0.3165


 49.3535, 0.2160,
0.2996

 115.3943, 0.2382,
0.3080

 34.9000, 0.2054,
0.2952


 146.2493, 0.2436,
0.3098

 23.5858, 0.1923,
0.2895


 182.1656, 0.2482,
0.3114

 15.0267, 0.1758,
0.2817

 223.5277, 0.2522,
0.3127

 8.8381, 0.1544,
0.2705

270.7199, 0.2558,
0.3138

 4.6357, 0.1263,
0.2534

324.1267, 0.2590,

 2.0352, 0.0887,

0.3148

0.2257

384.1323, 0.2618,
0.3157

0.6278, 0.0000,
0.1787

0.0000, 0.0000,
0.0000

67.3308, 0.2247,
0.3030

67.3308, 0.2247,
0.3030

64.9643, 0.2195,
0.2990

70.1293, 0.2319,
0.3070

62.9671, 0.2161,
0.2951

73.3982, 0.2410,
0.3109

61.7139, 0.2145,
0.2923

77.1794, 0.2520,
0.3148

81.5082, 0.2644,
0.3185

■ 86.4165, 0.2782,
0.3219

■ 91.9338, 0.2929,
0.3252

■ 98.0874, 0.3082,
0.3282

■ 99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



67.3308, 0.2496, 0.3532



67.3308, 0.2247, 0.3030



67.3308, 0.2215, 0.2661

Triad

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



67.3308, 0.2247, 0.3030



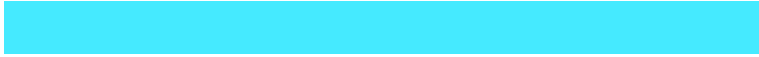
67.3308, 0.3276, 0.2708



67.3308, 0.3869, 0.4124

Complementary

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



67.3308, 0.2247, 0.3030



29.0227, 0.5484, 0.3462

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.



67.3308, 0.4124, 0.3820



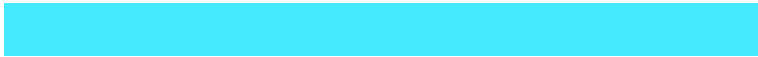
67.3308, 0.2247, 0.3030



67.3308, 0.3774, 0.3031

Square

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



67.3308, 0.2247, 0.3030



67.3308, 0.2773, 0.2514



67.3308, 0.4094, 0.3425



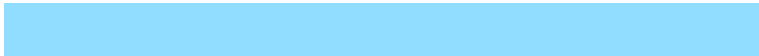
67.3308, 0.3425, 0.4213

Rectangle

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



67.3308, 0.2247, 0.3030



67.3308, 0.2314, 0.2525



67.3308, 0.4094, 0.3425



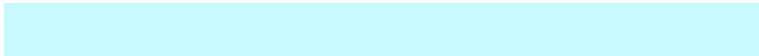
67.3308, 0.3981, 0.4040

Sweetspot

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



67.3333, 0.2247, 0.3030



86.8935, 0.2794, 0.3222



73.4766, 0.2967, 0.5455



18.2981, 0.2756, 0.3213



0.0000, 0.0000, 0.0000



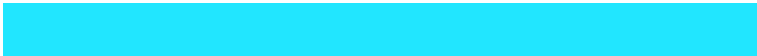
21.4041, 0.3127, 0.3290

Same Dimension

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



67.3333, 0.2247, 0.3030



64.1126, 0.2179, 0.2974



28.2803, 0.1935, 0.1800



20.1105, 0.2980, 0.3262



32.3935, 0.2147, 0.2930



3.2495, 0.2160, 0.2974

Inverse Universe

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



31.4715, 0.3414, 0.1845



28.0665, 0.3473, 0.1739



54.5924, 0.4647, 0.4317



18.2630, 0.3155, 0.3082



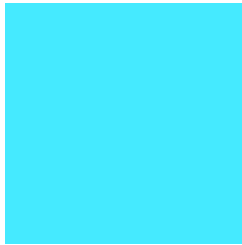
13.9981, 0.3517, 0.1711



1.3726, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 67.3308, 0.2247, 0.3030 looks on a white background.

Color Contrast Check

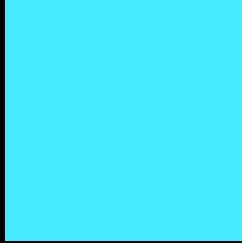
Large Text (above 18pt) WCAG AA × Fail

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 67.3308, 0.2247, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

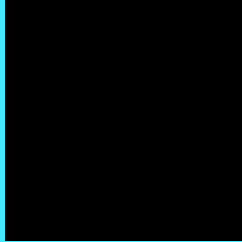
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3308, 0.2247, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 67.3308, 0.2247, 0.3030.

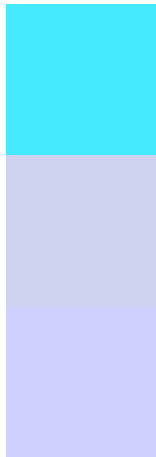


This preview shows how white text looks on a background with the Yxy color 67.3308, 0.2247, 0.3030.

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

67.3308, 0.2247, 0.3030

Protanopia

66.2897, 0.2915, 0.2971

Deuteranopia

66.3762, 0.2828, 0.2796



Tritanopia

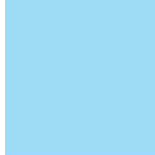
67.1664, 0.2252, 0.3053

Trichromacy



Original Color

67.3308, 0.2247, 0.3030



Protanomaly

64.5247, 0.2585, 0.2983



Deuteranomaly

64.6319, 0.2533, 0.2861



Tritanomaly

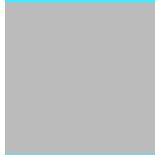
67.2303, 0.2248, 0.3041

Monochromacy



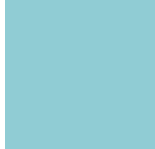
Original Color

67.3308, 0.2247, 0.3030



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.8685, 0.2659, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3308, 0.2247, 0.3030 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(69, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 234, 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(69, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.3308, 0.2247, 0.3030 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(69, 234, 255) }
```

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

```
.border{ border-color:rgb(69, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3308, 0.2247, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 234, 255) }
```

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

```
.background{ background-color: rgb(69, 234,  
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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