

Converting Colors

$Y_{xy}(66.8839, 0.2272, 0.3054)$

Have a look what the booklet for
Yxy(66.8839, 0.2272, 0.3054)
contains.

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Color

Yxy(66.8839, 0.2272, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	4DE9FC
RGB	77, 233, 252
RGB Percent	30%, 91%, 99%
CMY	0.6986, 0.0862, 0.0119
CMYK	0.69, 0.08, 0.00, 0.01
HSL	186°, 97%, 64%
HSV	186°, 69%, 99%
XYZ	49.7578, 66.8839, 102.3626
YIQ	188.5220, -99.0750, -27.1630

Conversions

Conversions Part 2

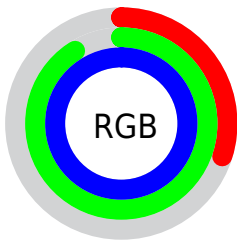
Format	Color
RYB	77, 159, 252
Decimal	5106172
CIELab	85.45, -34.29, -21.02
CIELCh	85, 40.219, 211.508
Yxy	66.8839, 0.2272, 0.3054
Android (android.graphics.Color)	4283296252 (0xFF4DE9FC)
YUV	188.5220, 31.2947, -97.8048
Hunter-Lab	81.7826, -34.5174, -16.9621

Details

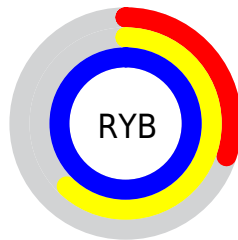
The Yxy color **66.8839, 0.2272, 0.3054** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.5570, 0.5338, 0.3457**, and the grayscale version is **50.4408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **35.3844, 0.2166, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **64.5028, 0.2214, 0.3016**, and if you desaturate by 10%, it is **69.6992, 0.2350, 0.3092**.

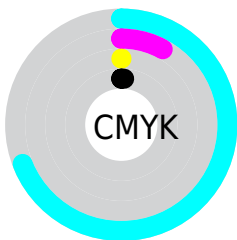
Distribution



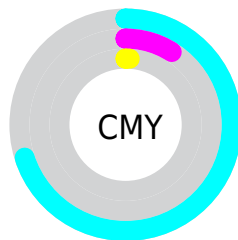
- Red (30%)
- Green (91%)
- Blue (99%)



- Red (30%)
- Yellow (62%)
- Blue (99%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)




- Cyan (70%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8839, 0.2272, 0.3054 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 66.8839, 0.2272, 0.3054 by changing the saturation by 10% instead.


 66.8839, 0.2272,
0.3054

 66.8839, 0.2272,
0.3054


449.5314, 0.2659,
0.3177

 48.9903, 0.2187,
0.3023


 114.7540, 0.2404,
0.3099

 34.6118, 0.2083,
0.2982


 145.4993, 0.2456,
0.3116

 23.3640, 0.1954,
0.2929


 181.2973, 0.2501,
0.3131

 14.8625, 0.1791,
0.2856

 222.5324, 0.2541,
0.3143

 8.7229, 0.1580,
0.2751

269.5890, 0.2575,
0.3153

 4.5609, 0.1299,
0.2590

322.8514, 0.2606,

 1.9920, 0.0919,

0.3162

0.2323

382.7041, 0.2634,
0.3170

■ 0.6028, 0.0000,
0.1851

■ 0.0000, 0.0000,
0.0000

■ 66.8839, 0.2272,
0.3054

■ 66.8839, 0.2272,
0.3054

■ 64.5028, 0.2214,
0.3016

■ 69.6992, 0.2350,
0.3092

■ 62.4984, 0.2174,
0.2978


■ 72.9834, 0.2447,
0.3130


■ 60.7954, 0.2151,
0.2941


■ 76.7756, 0.2561,
0.3166


■ 60.7135, 0.2150,
0.2939

■ 81.1091, 0.2690,
0.3201

 86.0138, 0.2831,
0.3233

 91.5177, 0.2980,
0.3264

 97.6467, 0.3135,
0.3291

 99.7059, 0.3145,
0.3317

 99.8068, 0.3145,
0.3319

Harmonies

Analogous

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



66.8839, 0.2523, 0.3546



66.8839, 0.2272, 0.3054



66.8839, 0.2232, 0.2687

Triad

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



66.8839, 0.2272, 0.3054



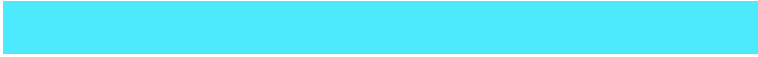
66.8839, 0.3254, 0.2711



66.8839, 0.3866, 0.4097

Complementary

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



66.8839, 0.2272, 0.3054



29.5570, 0.5338, 0.3457

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.



66.8839, 0.4104, 0.3796



66.8839, 0.2272, 0.3054



66.8839, 0.3742, 0.3024

Square

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



66.8839, 0.2272, 0.3054



66.8839, 0.2765, 0.2527



66.8839, 0.4063, 0.3409



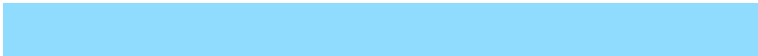
66.8839, 0.3437, 0.4192

Rectangle

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



66.8839, 0.2272, 0.3054



66.8839, 0.2324, 0.2547



66.8839, 0.4063, 0.3409



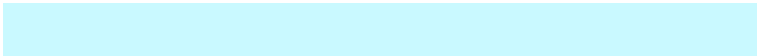
66.8839, 0.3972, 0.4013

Sweetspot

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



66.8864, 0.2272, 0.3054



87.5765, 0.2809, 0.3228



71.9930, 0.2969, 0.5359



18.4395, 0.2769, 0.3220



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.



66.8864, 0.2272, 0.3054



65.5027, 0.2197, 0.3002



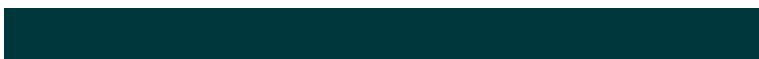
29.4362, 0.1982, 0.1880



19.2686, 0.2980, 0.3264



31.7663, 0.2152, 0.2945



3.0312, 0.2164, 0.2990

Inverse Universe

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



31.8629, 0.3390, 0.1879



28.8444, 0.3446, 0.1753



54.6516, 0.4570, 0.4293



17.4903, 0.3155, 0.3081



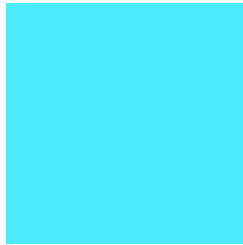
13.6177, 0.3503, 0.1703



1.2702, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 66.8839, 0.2272, 0.3054 looks on a white background.

Color Contrast Check

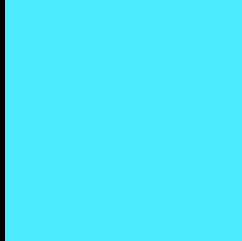
Large Text (above 18pt) WCAG AA × Fail

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 66.8839, 0.2272, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

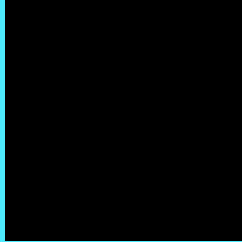
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8839, 0.2272, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 66.8839, 0.2272, 0.3054.

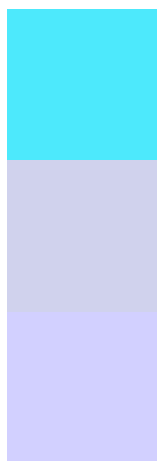


This preview shows how white text looks on a background with the Yxy color 66.8839, 0.2272, 0.3054.

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

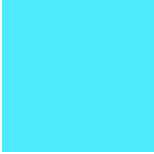
66.8839, 0.2272, 0.3054

Protanopia

65.6175, 0.2933, 0.2991

Deuteranopia

66.0334, 0.2834, 0.2786



Tritanopia

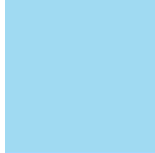
66.8839, 0.2272, 0.3054

Trichromacy



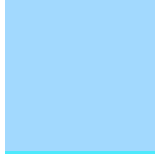
Original Color

66.8839, 0.2272, 0.3054



Protanomaly

64.0272, 0.2609, 0.3005



Deuteranomaly

64.4628, 0.2557, 0.2862



Tritanomaly

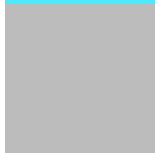
66.8839, 0.2272, 0.3054

Monochromacy



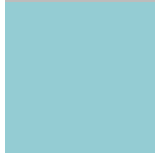
Original Color

66.8839, 0.2272, 0.3054



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.1848, 0.2689, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8839, 0.2272, 0.3054 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, 233, 252)` looks like.

```
.text, #text, p{  
    color:rgb(77, 233, 252)  
}
```

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, 233, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 233, 252) }
```

Border

The CSS property to change the border of an element to Yxy 66.8839, 0.2272, 0.3054 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, 233, 252) }
```

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

```
.border{ border-color:rgb(77, 233, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 233, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 233, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 233, 252);  
box-shadow:4px 4px 4px 4px rgb(77, 233,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8839, 0.2272, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 233, 252) }
```

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

```
.background{ background-color: rgb(77, 233,  
252) }
```

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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