

Converting Colors

$Yxy(67.0330, 0.2464, 0.3075)$

Have a look what the booklet for
Yxy(67.0330, 0.2464, 0.3075)
contains.

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Color

Yxy(66.9659, 0.2465, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	83E4F6
RGB	131, 228, 246
RGB Percent	51%, 89%, 96%
CMY	0.4864, 0.1058, 0.0353
CMYK	0.47, 0.07, 0.00, 0.04
HSL	189°, 86%, 74%
HSV	189°, 47%, 96%
XYZ	53.7340, 66.9659, 97.2880
YIQ	201.0490, -63.5900, -14.9660

Conversions

Conversions Part 2

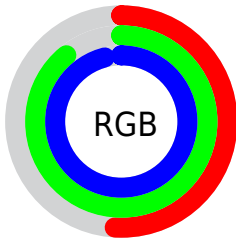
Format	Color
R _Y B	131, 184, 246
Decimal	8643830
CIE Lab	85.49, -24.01, -17.66
CIE LCh	85, 29.801, 216.331
Yxy	66.9659, 0.2465, 0.3072
Android (android.graphics.Color)	4286833910 (0xFF83E4F6)
YUV	201.0490, 22.1608, -61.4330
Hunter-Lab	81.8327, -25.9983, -13.2049

Details

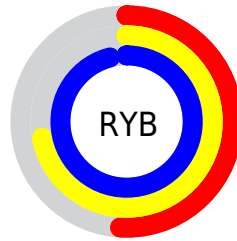
The Yxy color **66.9659, 0.2465, 0.3072** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.7151, 0.4315, 0.3488**, and the grayscale version is **58.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **34.5623, 0.2313, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **63.1382, 0.2357, 0.3017**, and if you desaturate by 10%, it is **71.3121, 0.2588, 0.3124**.

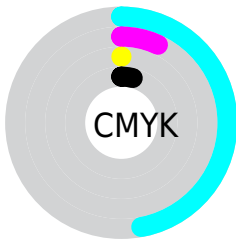
Distribution



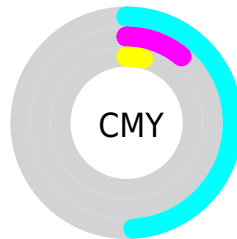
- Red (51%)
- Green (89%)
- Blue (96%)



- Red (51%)
- Yellow (72%)
- Blue (96%)



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)





- Cyan (49%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9659, 0.2465, 0.3072 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 66.9659, 0.2465, 0.3072 by changing the saturation by 10% instead.

 66.9659, 0.2465,
0.3072

 66.9659, 0.2465,
0.3072

449.8234, 0.2768,
0.3182

 49.0569, 0.2397,
0.3045


 114.8715, 0.2569,
0.3112

 34.6646, 0.2314,
0.3011


 145.6370, 0.2610,
0.3127

 23.4047, 0.2210,
0.2965


 181.4567, 0.2645,
0.3139

 14.8926, 0.2076,
0.2904

222.7151, 0.2676,
0.3150

 8.7440, 0.1899,
0.2817

269.7966, 0.2703,
0.3160

 4.5746, 0.1655,
0.2683

323.0855, 0.2727,

 1.9999, 0.1304,

0.3168

382.9663, 0.2749,
0.3175

0.2461

0.6074, 0.0000,
0.2142

0.0000, 0.0000,
0.0000

66.9659, 0.2465,
0.3072

66.9659, 0.2465,
0.3072

63.1382, 0.2357,
0.3017

71.3121, 0.2588,
0.3124

59.7874, 0.2267,
0.2962

76.1997, 0.2725,
0.3174

56.8779, 0.2197,
0.2905

81.6591, 0.2870,
0.3221

54.3647, 0.2146,
0.2849

87.7164, 0.3022,
0.3263

■ 52.1911, 0.2113,
0.2793

■ 94.3958, 0.3178,
0.3302

■ 51.5320, 0.2104,
0.2775

■ 96.9728, 0.3182,
0.3339

■ 99.4034, 0.3179,
0.3376

■ 99.4343, 0.3179,
0.3376

Harmonies

Analogous

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



66.9659, 0.2636, 0.3423



66.9659, 0.2465, 0.3072



66.9659, 0.2459, 0.2812

Triad

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



66.9659, 0.2465, 0.3072



66.9659, 0.3287, 0.2884



66.9659, 0.3639, 0.3916

Complementary

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



66.9659, 0.2465, 0.3072



42.7151, 0.4315, 0.3488

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.



66.9659, 0.3838, 0.3724



66.9659, 0.2465, 0.3072



66.9659, 0.3632, 0.3139

Square

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



66.9659, 0.2465, 0.3072



66.9659, 0.2915, 0.2724



66.9659, 0.3838, 0.3440



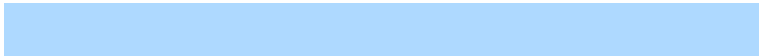
66.9659, 0.3308, 0.3938

Rectangle

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



66.9659, 0.2465, 0.3072



66.9659, 0.2548, 0.2716



66.9659, 0.3838, 0.3440



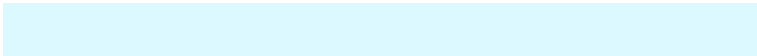
66.9659, 0.3724, 0.3868

Sweetspot

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



66.9685, 0.2465, 0.3072



90.3346, 0.2911, 0.3233



72.8841, 0.2976, 0.4549



19.0414, 0.2879, 0.3223



0.0000, 0.0000, 0.0000



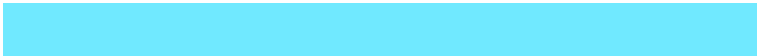
21.4041, 0.3127, 0.3290

Same Dimension

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



66.9685, 0.2465, 0.3072



68.7624, 0.2364, 0.3021



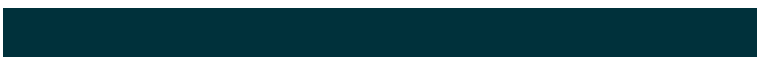
40.6891, 0.2331, 0.2336



18.2902, 0.2980, 0.3252



27.6743, 0.2107, 0.2784



2.5486, 0.2126, 0.2854

Inverse Universe

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



41.4190, 0.3344, 0.2304



38.7562, 0.3400, 0.2135



65.2508, 0.4006, 0.4077



16.7211, 0.3162, 0.3093



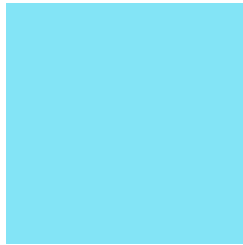
12.8931, 0.3649, 0.1784



1.1449, 0.3585, 0.1748

Previews

White Background



This preview shows how the Yxy color 66.9659, 0.2465, 0.3072 looks on a white background.

Color Contrast Check

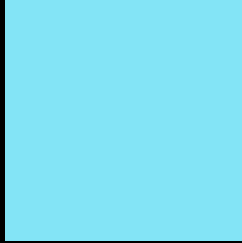
Large Text (above 18pt) WCAG AA × Fail

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 66.9659, 0.2465, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

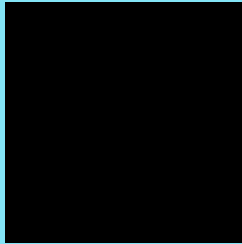
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9659, 0.2465, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 66.9659, 0.2465, 0.3072.



This preview shows how white text looks on a background with the Yxy color 66.9659, 0.2465, 0.3072.

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

66.9659, 0.2465, 0.3072

Protanopia

66.2883, 0.2960, 0.3025

Deuteranopia

65.9748, 0.2899, 0.2829



Tritanopia

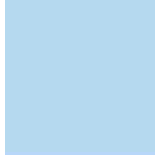
66.9659, 0.2465, 0.3072

Trichromacy



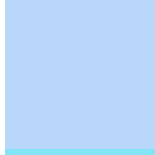
Original Color

66.9659, 0.2465, 0.3072



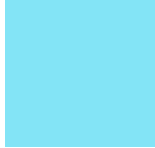
Protanomaly

65.6815, 0.2748, 0.3036



Deuteranomaly

65.6308, 0.2708, 0.2906



Tritanomaly

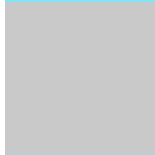
66.9659, 0.2465, 0.3072

Monochromacy



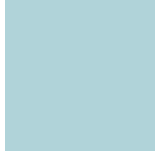
Original Color

66.9659, 0.2465, 0.3072



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.8284, 0.2841, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9659, 0.2465, 0.3072 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(131, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(131, 228, 246)  
}
```

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(131, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 228, 246) }
```

Border

The CSS property to change the border of an element to Yxy 66.9659, 0.2465, 0.3072 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(131, 228, 246) }
```

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

```
.border{ border-color:rgb(131, 228, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(131, 228,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9659, 0.2465, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 228, 246) }
```

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

```
.background{ background-color: rgb(131,  
228, 246) }
```

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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