

Converting Colors

$Yxy(66.5328, 0.2333, 0.3067)$

Have a look what the booklet for
Yxy(66.5328, 0.2333, 0.3067)
contains.

Yxy(66.5328, 0.2333, 0.3067)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.5328, 0.2333, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	61E7F9
RGB	97, 231, 249
RGB Percent	38%, 91%, 98%
CMY	0.6192, 0.0941, 0.0236
CMYK	0.61, 0.07, 0.00, 0.02
HSL	187°, 93%, 68%
HSV	187°, 61%, 98%
XYZ	50.6100, 66.5328, 99.7884
YIQ	192.9860, -85.6420, -22.8100

Conversions

Conversions Part 2

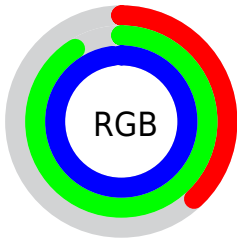
Format	Color
R _Y B	97, 168, 249
Decimal	6416377
CIE Lab	85.27, -31.24, -19.67
CIE LCh	85, 36.913, 212.200
Yxy	66.5328, 0.2333, 0.3067
Android (android.graphics.Color)	4284606457 (0xFF61E7F9)
YUV	192.9860, 27.6149, -84.1797
Hunter-Lab	81.5676, -31.9900, -15.4369

Details

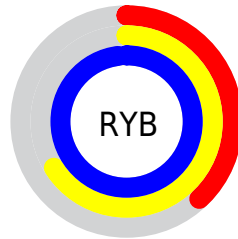
The Yxy color **66.5328, 0.2333, 0.3067** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.2846, 0.4939, 0.3470**, and the grayscale version is **53.2072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **34.5102, 0.2165, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **63.7367, 0.2256, 0.3025**, and if you desaturate by 10%, it is **69.7909, 0.2429, 0.3108**.

Distribution



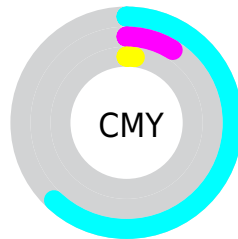
- Red (38%)
- Green (91%)
- Blue (98%)



- Red (38%)
- Yellow (66%)
- Blue (98%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)




- Cyan (62%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5328, 0.2333, 0.3067 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 66.5328, 0.2333, 0.3067 by changing the saturation by 10% instead.


 66.5328, 0.2333,
0.3067


 66.5328, 0.2333,
0.3067


448.2799, 0.2694,
0.3183

 48.7050, 0.2253,
0.3038


 114.2507, 0.2457,
0.3109

 34.3856, 0.2155,
0.3000

 144.9096, 0.2505,
0.3125

 23.1900, 0.2033,
0.2951


 180.6144, 0.2547,
0.3139

 14.7338, 0.1878,
0.2883

221.7495, 0.2584,
0.3150

 8.6328, 0.1676,
0.2785

268.6991, 0.2616,
0.3160

 4.5025, 0.1403,
0.2634

321.8479, 0.2645,

 1.9584, 0.1026,

0.3168

381.5800, 0.2671,
0.3176

0.2381

0.5831, 0.0000,
0.1933

0.0000, 0.0000,
0.0000

66.5328, 0.2333,
0.3067

66.5328, 0.2333,
0.3067

63.7367, 0.2256,
0.3025

69.7909, 0.2429,
0.3108

61.3532, 0.2199,
0.2983

73.5400, 0.2541,
0.3148


59.3349, 0.2161,
0.2942


77.8152, 0.2669,
0.3187


57.7602, 0.2140,
0.2905


82.6461, 0.2809,
0.3223

 88.0601, 0.2957,
0.3256

 94.0828, 0.3111,
0.3287

 97.4963, 0.3164,
0.3315

 99.3599, 0.3162,
0.3344

 99.6190, 0.3162,
0.3347

Harmonies

Analogous

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



66.5328, 0.2564, 0.3515



66.5328, 0.2333, 0.3067



66.5328, 0.2299, 0.2730

Triad

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



66.5328, 0.2333, 0.3067



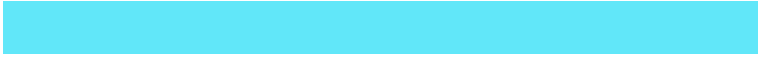
66.5328, 0.3257, 0.2760



66.5328, 0.3802, 0.4040

Complementary

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



66.5328, 0.2333, 0.3067



33.2846, 0.4939, 0.3470

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.



66.5328, 0.4024, 0.3770



66.5328, 0.2333, 0.3067



66.5328, 0.3702, 0.3054

Square

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



66.5328, 0.2333, 0.3067



66.5328, 0.2804, 0.2585



66.5328, 0.3991, 0.3413



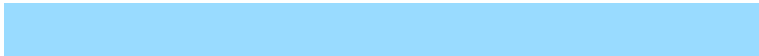
66.5328, 0.3405, 0.4114

Rectangle

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



66.5328, 0.2333, 0.3067



66.5328, 0.2388, 0.2601



66.5328, 0.3991, 0.3413



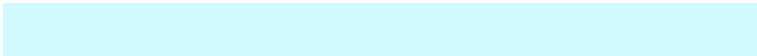
66.5328, 0.3901, 0.3966

Sweetspot

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



66.5353, 0.2333, 0.3067



88.8895, 0.2852, 0.3233



71.5257, 0.2968, 0.5066



18.6832, 0.2810, 0.3223



0.0000, 0.0000, 0.0000



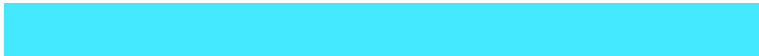
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5353, 0.2333, 0.3067



66.7280, 0.2243, 0.3016



32.9353, 0.2101, 0.2046



19.2368, 0.2980, 0.3261



31.0594, 0.2142, 0.2912



2.9728, 0.2156, 0.2961

Inverse Universe

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



34.4742, 0.3369, 0.2011



31.3780, 0.3426, 0.1851



58.1615, 0.4353, 0.4234



17.4871, 0.3156, 0.3084



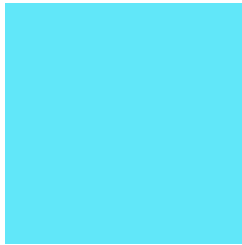
13.5464, 0.3533, 0.1720



1.2643, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 66.5328, 0.2333, 0.3067 looks on a white background.

Color Contrast Check

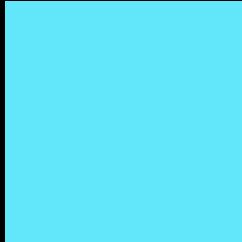
Large Text (above 18pt) WCAG AA × Fail

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 66.5328, 0.2333, 0.3067 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 66.5328, 0.2333, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 66.5328, 0.2333, 0.3067.

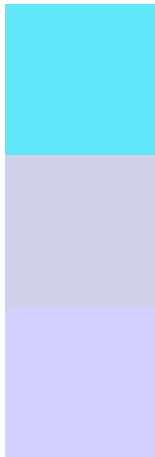


This preview shows how white text looks on a background with the Yxy color 66.5328, 0.2333, 0.3067.

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

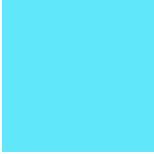
66.5328, 0.2333, 0.3067

Protanopia

65.5012, 0.2946, 0.3013

Deuteranopia

65.6303, 0.2847, 0.2786



Tritanopia

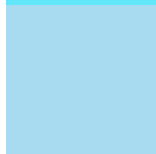
66.5953, 0.2329, 0.3055

Trichromacy



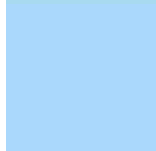
Original Color

66.5328, 0.2333, 0.3067



Protanomaly

64.7589, 0.2666, 0.3031



Deuteranomaly

64.6861, 0.2610, 0.2877



Tritanomaly

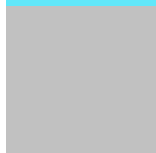
66.5953, 0.2329, 0.3055

Monochromacy



Original Color

66.5328, 0.2333, 0.3067



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.6988, 0.2744, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5328, 0.2333, 0.3067 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(97, 231, 249)` looks like.

```
.text, #text, p{  
    color:rgb(97, 231, 249)  
}
```

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(97, 231, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 231, 249) }
```

Border

The CSS property to change the border of an element to Yxy 66.5328, 0.2333, 0.3067 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(97, 231, 249) }
```

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

```
.border{ border-color:rgb(97, 231, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 231, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 231, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 231, 249);  
box-shadow:4px 4px 4px 4px rgb(97, 231,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5328, 0.2333, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 231, 249) }
```

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

```
.background{ background-color: rgb(97, 231,  
249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor