

Converting Colors

$Yxy(67.9871, 0.2355, 0.3128)$

Have a look what the booklet for
Yxy(67.9871, 0.2355, 0.3128)
contains.

Yxy(68.2137, 0.2356, 0.3129)	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(68.2137, 0.2356, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	63EAF7
RGB	99, 234, 247
RGB Percent	39%, 92%, 97%
CMY	0.6113, 0.0824, 0.0315
CMYK	0.60, 0.05, 0.00, 0.03
HSL	185°, 90%, 68%
HSV	185°, 60%, 97%
XYZ	51.3619, 68.2137, 98.4292
YIQ	195.1170, -84.6330, -24.5770

Conversions

Conversions Part 2

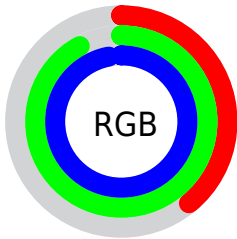
Format	Color
R _Y B	99, 170, 247
Decimal	6548215
CIE Lab	86.11, -32.88, -17.33
CIE LCh	86, 37.169, 207.784
Yxy	68.2137, 0.2356, 0.3129
Android (android.graphics.Color)	4284738295 (0xFF63EAF7)
YUV	195.1170, 25.5783, -84.2946
Hunter-Lab	82.5916, -33.5300, -12.8452

Details

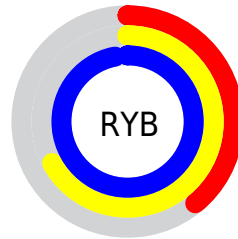
The Yxy color **68.2137, 0.2356, 0.3129** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.2803, 0.4921, 0.3423**, and the grayscale version is **54.5473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **35.6024, 0.2188, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **65.8032, 0.2281, 0.3099**, and if you desaturate by 10%, it is **71.0698, 0.2450, 0.3159**.

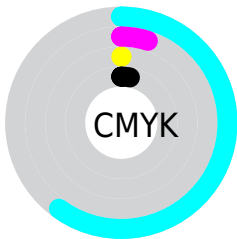
Distribution



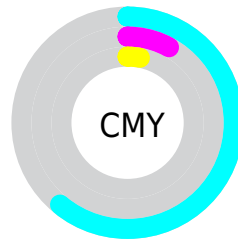
- Red (39%)
- Green (92%)
- Blue (97%)



- Red (39%)
- Yellow (67%)
- Blue (97%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)





- Cyan (61%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2137, 0.2356, 0.3129 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 68.2137, 0.2356, 0.3129 by changing the saturation by 10% instead.

 68.2137, 0.2356,
0.3129

 68.2137, 0.2356,
0.3129

454.2528, 0.2706,
0.3215

 50.0716, 0.2278,
0.3107


 116.6578, 0.2476,
0.3161

 35.4703, 0.2184,
0.3078


 147.7286, 0.2523,
0.3173

 24.0254, 0.2066,
0.3040


 183.8778, 0.2564,
0.3183

 15.3524, 0.1916,
0.2986

225.4897, 0.2599,
0.3191

 9.0671, 0.1719,
0.2908

272.9488, 0.2631,
0.3198

 4.7850, 0.1453,
0.2785

326.6394, 0.2659,

 2.1217, 0.1084,

0.3205

0.2574

386.9459, 0.2684,
0.3210

0.6768, 0.0000,
0.2258

0.0000, 0.0000,
0.0000

68.2137, 0.2356,
0.3129

68.2137, 0.2356,
0.3129

65.8032, 0.2281,
0.3099

71.0698, 0.2450,
0.3159

63.7903, 0.2226,
0.3068

74.3988, 0.2561,
0.3188


62.1299, 0.2190,
0.3038


78.2350, 0.2688,
0.3216

60.7436, 0.2169,
0.3008


82.6070, 0.2826,
0.3243


 60.7257, 0.2169,
0.3008

 87.5413, 0.2975,
0.3268

 93.0628, 0.3129,
0.3290

 95.8272, 0.3177,
0.3311

 97.1758, 0.3176,
0.3332

 98.5399, 0.3175,
0.3353

Harmonies

Analogous

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



68.2137, 0.2613, 0.3582



68.2137, 0.2356, 0.3129



68.2137, 0.2293, 0.2770

Triad

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



68.2137, 0.2356, 0.3129



68.2137, 0.3187, 0.2726



68.2137, 0.3847, 0.4009

Complementary

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



68.2137, 0.2356, 0.3129



32.2803, 0.4921, 0.3423

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.



68.2137, 0.4035, 0.3720



68.2137, 0.2356, 0.3129



68.2137, 0.3642, 0.3005

Square

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



68.2137, 0.2356, 0.3129



68.2137, 0.2745, 0.2573



68.2137, 0.3962, 0.3358



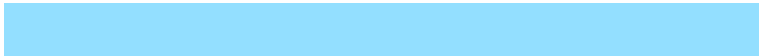
68.2137, 0.3470, 0.4118

Rectangle

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



68.2137, 0.2356, 0.3129



68.2137, 0.2362, 0.2623



68.2137, 0.3962, 0.3358



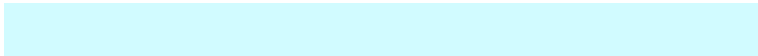
68.2137, 0.3936, 0.3927

Sweetspot

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



68.2163, 0.2356, 0.3129



89.7671, 0.2853, 0.3248



70.3195, 0.2989, 0.5089



18.9005, 0.2811, 0.3240



0.0000, 0.0000, 0.0000



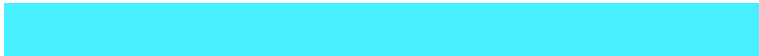
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2163, 0.2356, 0.3129



70.2433, 0.2267, 0.3092



34.7659, 0.2135, 0.2143



18.4945, 0.2981, 0.3269



32.2321, 0.2170, 0.3013



2.9045, 0.2181, 0.3050

Inverse Universe

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



34.6550, 0.3318, 0.1994



32.0430, 0.3361, 0.1823



55.5225, 0.4362, 0.4173



16.7417, 0.3151, 0.3077



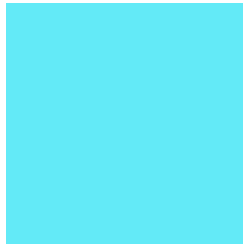
13.3532, 0.3443, 0.1670



1.1808, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 68.2137, 0.2356, 0.3129 looks on a white background.

Color Contrast Check

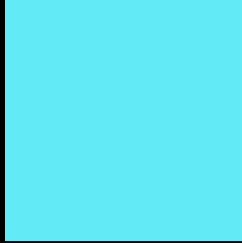
Large Text (above 18pt) WCAG AA × Fail

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 68.2137, 0.2356, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

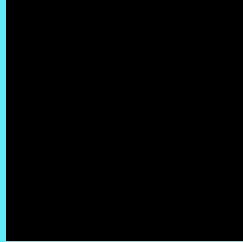
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2137, 0.2356, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 68.2137, 0.2356, 0.3129.



This preview shows how white text looks on a background with the Yxy color 68.2137, 0.2356, 0.3129.

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

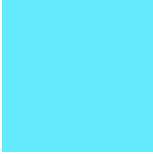
68.2137, 0.2356, 0.3129

Protanopia

66.9672, 0.2987, 0.3059

Deuteranopia

67.2281, 0.2894, 0.2832



Tritanopia

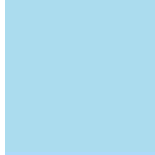
68.0728, 0.2339, 0.3058

Trichromacy



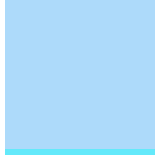
Original Color

68.2137, 0.2356, 0.3129



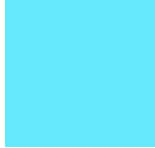
Protanomaly

66.0174, 0.2697, 0.3079



Deuteranomaly

65.9292, 0.2641, 0.2923



Tritanomaly

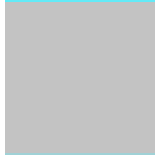
67.8893, 0.2344, 0.3081

Monochromacy



Original Color

68.2137, 0.2356, 0.3129



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.9296, 0.2753, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2137, 0.2356, 0.3129 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(99, 234, 247)` looks like.

```
.text, #text, p{  
    color:rgb(99, 234, 247)  
}
```

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(99, 234, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 234, 247) }
```

Border

The CSS property to change the border of an element to Yxy 68.2137, 0.2356, 0.3129 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(99, 234, 247) }
```

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

```
.border{ border-color:rgb(99, 234, 247) }
```

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

Here you see how a box with a 4 pixel rgb(99, 234, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 234, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 234, 247);  
box-shadow:4px 4px 4px 4px rgb(99, 234,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2137, 0.2356, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 234, 247) }
```

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

```
.background{ background-color: rgb(99, 234,  
247) }
```

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