

Converting Colors

$Y_{xy}(63.0971, 0.2235, 0.3083)$

Have a look what the booklet for
Yxy(63.0971, 0.2235, 0.3083)
contains.

Yxy(63.3613, 0.2235, 0.3084)	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(63.3613, 0.2235, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	34E5F5
RGB	52, 229, 245
RGB Percent	20%, 90%, 96%
CMY	0.7955, 0.1020, 0.0393
CMYK	0.79, 0.07, 0.00, 0.04
HSL	185°, 91%, 58%
HSV	185°, 79%, 96%
XYZ	45.9185, 63.3613, 96.1719
YIQ	177.9010, -110.6280, -32.5480

Conversions

Conversions Part 2

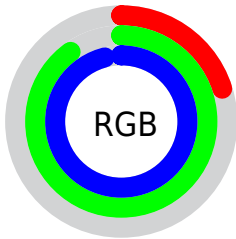
Format	Color
R _Y B	52, 144, 245
Decimal	3466741
CIE Lab	83.63, -37.12, -20.11
CIE LCh	84, 42.217, 208.453
Yxy	63.3613, 0.2235, 0.3084
Android (android.graphics.Color)	4281656821 (0xFF34E5F5)
YUV	177.9010, 33.0798, -110.4152
Hunter-Lab	79.5998, -36.3290, -15.9139

Details

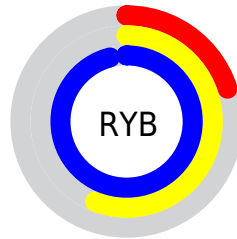
The Yxy color **63.3613, 0.2235, 0.3084** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.8059, 0.5773, 0.3406**, and the grayscale version is **44.3548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **33.5613, 0.2173, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **61.7552, 0.2197, 0.3056**, and if you desaturate by 10%, it is **65.3223, 0.2292, 0.3113**.

Distribution



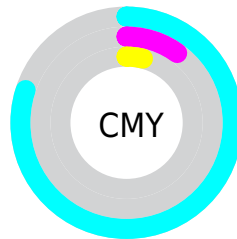
- Red (20%)
- Green (90%)
- Blue (96%)



- Red (20%)
- Yellow (56%)
- Blue (96%)



- Cyan (79%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)





- Cyan (80%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3613, 0.2235, 0.3084 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 63.3613, 0.2235, 0.3084 by changing the saturation by 10% instead.


 63.3613, 0.2235,
0.3084


 63.3613, 0.2235,
0.3084


436.8795, 0.2642,
0.3196


 46.1336, 0.2144,
0.3055


 109.6906, 0.2375,
0.3126


 32.3512, 0.2034,
0.3016


 139.5609, 0.2429,
0.3141

 21.6299, 0.1897,
0.2965


 174.4143, 0.2477,
0.3154

 13.5852, 0.1722,
0.2893

 214.6350, 0.2518,
0.3165

 7.8328, 0.1496,
0.2787

260.6075, 0.2555,
0.3174

 3.9881, 0.1194,
0.2620

312.7161, 0.2587,

 1.6669, 0.0743,

0.3182

0.2345

371.3453, 0.2616,
0.3190

0.4021, 0.0000,
0.1583

0.0000, 0.0000,
0.0000

63.3613, 0.2235,
0.3084

63.3613, 0.2235,
0.3084

61.7552, 0.2197,
0.3056

65.3223, 0.2292,
0.3113

60.4302, 0.2176,
0.3028


67.6769, 0.2368,
0.3141


60.2686, 0.2173,
0.3024


70.4662, 0.2463,
0.3170


73.7241, 0.2576,
0.3197

 77.4813, 0.2704,
0.3224

 81.7656, 0.2843,
0.3248

 86.6027, 0.2992,
0.3271

 92.0168, 0.3147,
0.3293

 94.5328, 0.3191,
0.3312

Harmonies

Analogous

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



63.3613, 0.2521, 0.3618



63.3613, 0.2235, 0.3084



63.3613, 0.2171, 0.2676

Triad

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



63.3613, 0.2235, 0.3084



63.3613, 0.3205, 0.2649



63.3613, 0.3950, 0.4123

Complementary

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



63.3613, 0.2235, 0.3084



23.8059, 0.5773, 0.3406

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.



63.3613, 0.4180, 0.3784



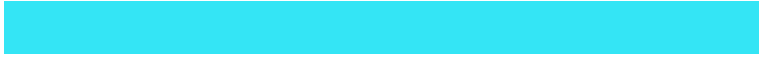
63.3613, 0.2235, 0.3084



63.3613, 0.3737, 0.2968

Square

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



63.3613, 0.2235, 0.3084



63.3613, 0.2693, 0.2470



63.3613, 0.4106, 0.3369



63.3613, 0.3506, 0.4260

Rectangle

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



63.3613, 0.2235, 0.3084



63.3613, 0.2252, 0.2515



63.3613, 0.4106, 0.3369



63.3613, 0.4056, 0.4025

Sweetspot

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



63.3636, 0.2235, 0.3084



86.9911, 0.2767, 0.3235



66.4034, 0.2983, 0.5656



18.2706, 0.2718, 0.3226



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.



63.3636, 0.2235, 0.3084



66.8241, 0.2184, 0.3040



24.8509, 0.1887, 0.1759



18.5091, 0.2981, 0.3270



32.5759, 0.2175, 0.3029



2.9312, 0.2184, 0.3064

Inverse Universe

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



27.5341, 0.3373, 0.1751



27.6168, 0.3418, 0.1673



45.2922, 0.4833, 0.4285



16.7432, 0.3151, 0.3076



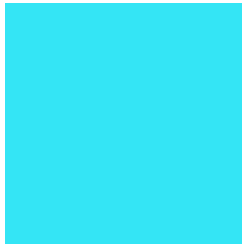
13.3879, 0.3429, 0.1663



1.1835, 0.3398, 0.1646

Previews

White Background



This preview shows how the Yxy color 63.3613, 0.2235, 0.3084 looks on a white background.

Color Contrast Check

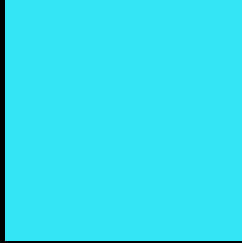
Large Text (above 18pt) WCAG AA × Fail

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 63.3613, 0.2235, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

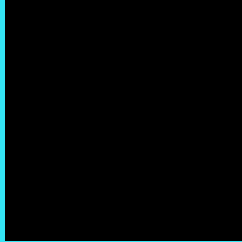
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3613, 0.2235, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 63.3613, 0.2235, 0.3084.

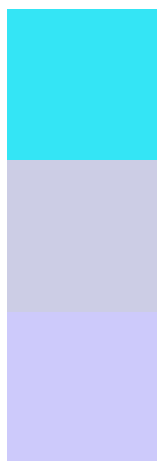


This preview shows how white text looks on a background with the Yxy color 63.3613, 0.2235, 0.3084.

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

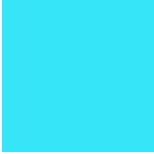
63.3613, 0.2235, 0.3084

Protanopia

62.1572, 0.2956, 0.3018

Deuteranopia

62.1852, 0.2821, 0.2754



Tritanopia

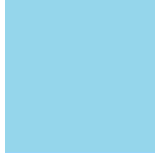
63.5383, 0.2231, 0.3059

Trichromacy



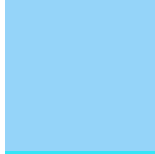
Original Color

63.3613, 0.2235, 0.3084



Protanomaly

60.4809, 0.2579, 0.3032



Deuteranomaly

60.3161, 0.2504, 0.2847



Tritanomaly

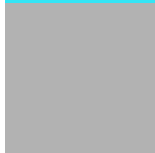
63.4493, 0.2233, 0.3071

Monochromacy



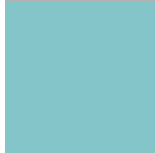
Original Color

63.3613, 0.2235, 0.3084



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

49.1023, 0.2633, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3613, 0.2235, 0.3084 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(52, 229, 245)` looks like.

```
.text, #text, p{  
    color:rgb(52, 229, 245)  
}
```

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(52, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 229, 245) }
```

Border

The CSS property to change the border of an element to Yxy 63.3613, 0.2235, 0.3084 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(52, 229, 245) }
```

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

```
.border{ border-color:rgb(52, 229, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 229, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(52, 229,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3613, 0.2235, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 229, 245) }
```

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

```
.background{ background-color: rgb(52, 229,  
245) }
```

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