

Converting Colors

$Y_{xy}(65.1608, 0.2252, 0.3164)$

Have a look what the booklet for
Yxy(65.1608, 0.2252, 0.3164)
contains.

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Color

Yxy(65.3416, 0.2255, 0.3173)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 31E9F2 |
| RGB | 49, 233, 242 |
| RGB Percent | 19%, 91%, 95% |
| CMY | 0.8070, 0.0863, 0.0511 |
| CMYK | 0.80, 0.04, 0.00, 0.05 |
| HSL | 183°, 88%, 57% |
| HSV | 183°, 80%, 95% |
| XYZ | 46.4372, 65.3416, 94.1512 |
| YIQ | 179.0100, -112.5530, -36.2090 |

Conversions

Conversions Part 2

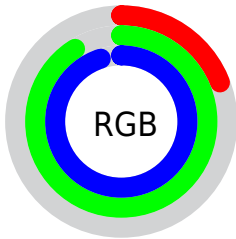
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 49, 143, 242 |
| Decimal | 3271154 |
| CIE Lab | 84.66, -40.07, -16.99 |
| CIE LCh | 85, 43.526, 202.974 |
| Yxy | 65.3416, 0.2255, 0.3173 |
| Android (android.graphics.Color) | 4281461234 (0xFF31E9F2) |
| YUV | 179.0100, 31.0541, -114.0188 |
| Hunter-Lab | 80.8342, -38.9159, -12.4739 |

Details

The Yxy color **65.3416, 0.2255, 0.3173** 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 **22.1440, 0.5862, 0.3355**, and the grayscale version is **44.9961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **34.9895, 0.2205, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **64.2561, 0.2223, 0.3157**, and if you desaturate by 10%, it is **66.7589, 0.2305, 0.3189**.

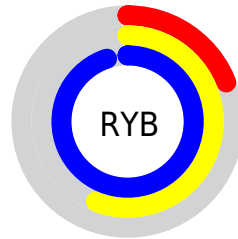
Distribution



Red (19%)

Green (91%)

Blue (95%)



Red (19%)

Yellow (56%)

Blue (95%)

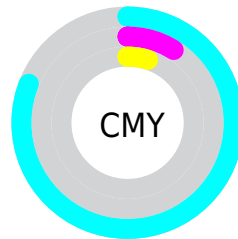


Cyan (80%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (81%)


Magenta (9%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3416, 0.2255, 0.3173 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 65.3416, 0.2255, 0.3173 by changing the saturation by 10% instead.


 65.3416, 0.2255,
0.3173

 65.3416, 0.2255,
0.3173


444.0185, 0.2652,
0.3242


 47.7381, 0.2167,
0.3154


 112.5408, 0.2391,
0.3200


 33.6195, 0.2059,
0.3128


 142.9054, 0.2444,
0.3209

 22.6015, 0.1925,
0.3093


 178.2924, 0.2491,
0.3217

 14.2995, 0.1755,
0.3042

 219.0863, 0.2531,
0.3224

 8.3293, 0.1534,
0.2965

265.6715, 0.2567,
0.3229

 4.3064, 0.1238,
0.2838

318.4323, 0.2598,

 1.8464, 0.0800,

0.3234

0.2619

377.7532, 0.2627,
0.3238

■ 0.5158, 0.0000,
0.2065

■ 0.0000, 0.0000,
0.0000

■ 65.3416, 0.2255,
0.3173

■ 65.3416, 0.2255,
0.3173

■ 64.2561, 0.2223,
0.3157

■ 66.7589, 0.2305,
0.3189


■ 63.4221, 0.2207,
0.3142


■ 68.5461, 0.2375,
0.3205

■ 63.3952, 0.2206,
0.3142

■ 70.7434, 0.2464,
0.3221

■ 73.3843, 0.2571,
0.3236

 76.4986, 0.2695,
0.3251

 80.1136, 0.2831,
0.3265

 84.2544, 0.2978,
0.3278

 88.9445, 0.3133,
0.3290

 91.8575, 0.3212,
0.3302

Harmonies

Analogous

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



65.3416, 0.2584, 0.3724



65.3416, 0.2255, 0.3173



65.3416, 0.2148, 0.2724

Triad

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



65.3416, 0.2255, 0.3173



65.3416, 0.3104, 0.2592



65.3416, 0.4029, 0.4086

Complementary

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



65.3416, 0.2255, 0.3173



22.1440, 0.5862, 0.3355

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.



65.3416, 0.4213, 0.3717



65.3416, 0.2255, 0.3173



65.3416, 0.3656, 0.2894

Square

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



65.3416, 0.2255, 0.3173



65.3416, 0.2603, 0.2441



65.3416, 0.4078, 0.3291



65.3416, 0.3605, 0.4276

Rectangle

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



65.3416, 0.2255, 0.3173



65.3416, 0.2204, 0.2535



65.3416, 0.4078, 0.3291



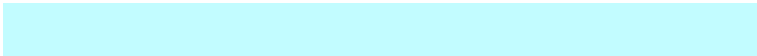
65.3416, 0.4122, 0.3976

Sweetspot

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



65.3440, 0.2255, 0.3173



88.3768, 0.2769, 0.3259



64.4323, 0.2998, 0.5726



18.6102, 0.2721, 0.3254



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.



65.3440, 0.2255, 0.3173



71.7423, 0.2211, 0.3147



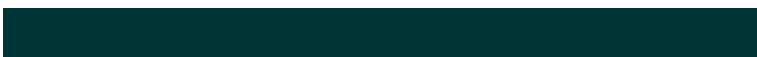
25.5843, 0.1902, 0.1832



17.7953, 0.2981, 0.3278



34.1212, 0.2207, 0.3144



2.8772, 0.2212, 0.3164

Inverse Universe

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



26.9719, 0.3299, 0.1697



27.9884, 0.3326, 0.1616



41.5622, 0.4921, 0.4225



16.0179, 0.3145, 0.3068



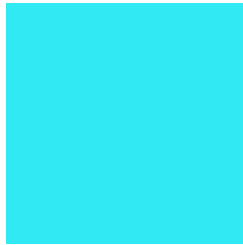
13.2379, 0.3329, 0.1608



1.1052, 0.3312, 0.1598

Previews

White Background



This preview shows how the Yxy color 65.3416, 0.2255, 0.3173 looks on a white background.

Color Contrast Check

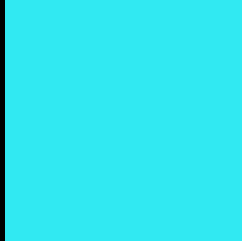
Large Text (above 18pt) WCAG AA × Fail

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 65.3416, 0.2255, 0.3173 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 65.3416, 0.2255, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 65.3416, 0.2255, 0.3173.

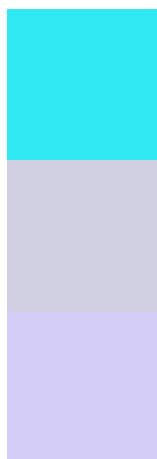


This preview shows how white text looks on a background with the Yxy color 65.3416, 0.2255, 0.3173.

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

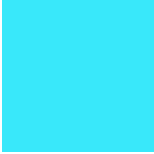
65.3416, 0.2255, 0.3173

Protanopia

64.0126, 0.3005, 0.3087

Deuteranopia

64.2888, 0.2883, 0.2824



Tritanopia

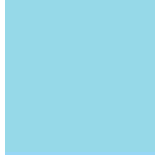
65.4852, 0.2235, 0.3062

Trichromacy



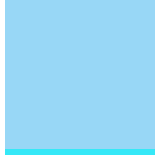
Original Color

65.3416, 0.2255, 0.3173



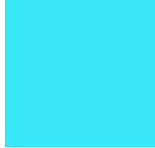
Protanomaly

61.9359, 0.2605, 0.3105



Deuteranomaly

61.9301, 0.2540, 0.2920



Tritanomaly

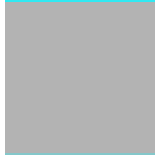
65.2129, 0.2241, 0.3098

Monochromacy



Original Color

65.3416, 0.2255, 0.3173



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.0166, 0.2636, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3416, 0.2255, 0.3173 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(49, 233, 242)` looks like.

```
.text, #text, p{  
    color:rgb(49, 233, 242)  
}
```

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(49, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 233, 242) }
```

Border

The CSS property to change the border of an element to Yxy 65.3416, 0.2255, 0.3173 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(49, 233, 242) }
```

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

```
.border{ border-color:rgb(49, 233, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 233, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 233, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 233, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 233,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3416, 0.2255, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 233, 242) }
```

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

```
.background{ background-color: rgb(49, 233,  
242) }
```

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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