

Converting Colors

$Y_{xy}(65.8096, 0.2216, 0.3016)$

Have a look what the booklet for
Yxy(65.8096, 0.2216, 0.3016)
contains.

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Color

Yxy(65.6533, 0.2216, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	36E8FE
RGB	54, 232, 254
RGB Percent	21%, 91%, 100%
CMY	0.7880, 0.0902, 0.0039
CMYK	0.79, 0.09, 0.00, 0.00
HSL	187°, 99%, 60%
HSV	187°, 79%, 100%
XYZ	48.2706, 65.6533, 103.9039
YIQ	181.2860, -113.1500, -30.8940

Conversions

Conversions Part 2

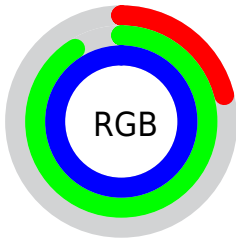
Format	Color
R _Y B	54, 148, 254
Decimal	3598590
CIE Lab	84.82, -35.65, -23.08
CIE LCh	85, 42.465, 212.919
Yxy	65.6533, 0.2216, 0.3014
Android (android.graphics.Color)	4281788670 (0xFF36E8FE)
YUV	181.2860, 35.8480, -111.6298
Hunter-Lab	81.0267, -35.4577, -19.3113

Details

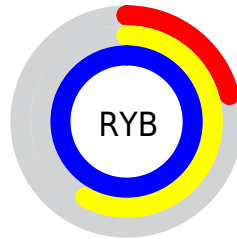
The Yxy color **65.6533, 0.2216, 0.3014** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.5196, 0.5736, 0.3447**, and the grayscale version is **46.2305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **35.0819, 0.2153, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **63.5641, 0.2175, 0.2975**, and if you desaturate by 10%, it is **68.1389, 0.2276, 0.3053**.

Distribution



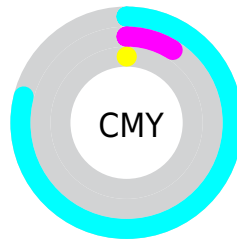
- Red (21%)
- Green (91%)
- Blue (100%)



- Red (21%)
- Yellow (58%)
- Blue (100%)



- Cyan (79%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6533, 0.2216, 0.3014 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 65.6533, 0.2216, 0.3014 by changing the saturation by 10% instead.


 65.6533, 0.2216,
0.3014

 65.6533, 0.2216,
0.3014


445.1359, 0.2628,
0.3158

 47.9910, 0.2125,
0.2978

 112.9886, 0.2356,
0.3067


 33.8198, 0.2015,
0.2931


 143.4304, 0.2412,
0.3087

 22.7552, 0.1879,
0.2869


 178.9008, 0.2460,
0.3103

 14.4128, 0.1707,
0.2785

 219.7842, 0.2502,
0.3117

 8.4084, 0.1486,
0.2664

266.4650, 0.2539,
0.3130

 4.3573, 0.1195,
0.2480

319.3277, 0.2572,

 1.8754, 0.0802,

0.3140

0.2183

378.7565, 0.2601,
0.3150

0.5335, 0.0000,
0.1605

0.0000, 0.0000,
0.0000

65.6533, 0.2216,
0.3014

65.6533, 0.2216,
0.3014

63.5641, 0.2175,
0.2975

68.1389, 0.2276,
0.3053

61.7918, 0.2151,
0.2938

71.0639, 0.2356,
0.3092

61.5753, 0.2148,
0.2933

74.4732, 0.2455,
0.3130

78.4039, 0.2570,
0.3167

■ 82.8896, 0.2700,
0.3202

■ 87.9606, 0.2842,
0.3235

■ 93.6454, 0.2992,
0.3265

■ 99.5365, 0.3133,
0.3293

■ 99.9366, 0.3133,
0.3299

Harmonies

Analogous

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



65.6533, 0.2469, 0.3536



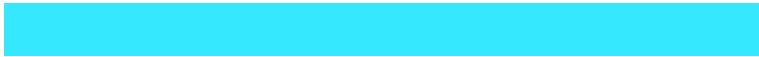
65.6533, 0.2216, 0.3014



65.6533, 0.2185, 0.2636

Triad

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



65.6533, 0.2216, 0.3014



65.6533, 0.3286, 0.2692



65.6533, 0.3890, 0.4155

Complementary

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



65.6533, 0.2216, 0.3014



26.5196, 0.5736, 0.3447

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.



65.6533, 0.4158, 0.3839



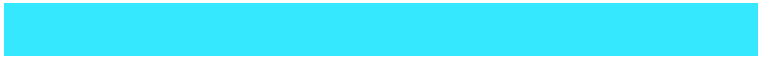
65.6533, 0.2216, 0.3014



65.6533, 0.3802, 0.3025

Square

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



65.6533, 0.2216, 0.3014



65.6533, 0.2764, 0.2490



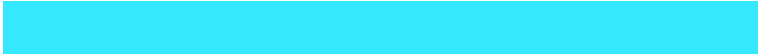
65.6533, 0.4132, 0.3431



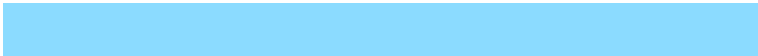
65.6533, 0.3428, 0.4248

Rectangle

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



65.6533, 0.2216, 0.3014



65.6533, 0.2289, 0.2497



65.6533, 0.4132, 0.3431



65.6533, 0.4007, 0.4067

Sweetspot

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



65.6557, 0.2216, 0.3014



85.9591, 0.2766, 0.3218



72.1731, 0.2967, 0.5604



18.0181, 0.2716, 0.3206



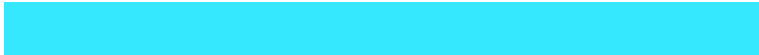
0.0000, 0.0000, 0.0000



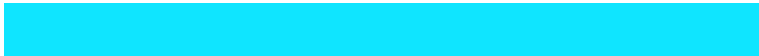
21.4041, 0.3127, 0.3290

Same Dimension

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



65.6557, 0.2216, 0.3014



63.1474, 0.2160, 0.2955



25.0047, 0.1862, 0.1666



20.1196, 0.2980, 0.3263



32.5951, 0.2150, 0.2939



3.2671, 0.2162, 0.2982

Inverse Universe

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



29.5437, 0.3433, 0.1787



27.2456, 0.3492, 0.1714



51.6251, 0.4772, 0.4346



18.2639, 0.3155, 0.3081



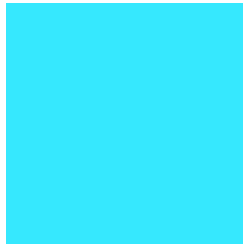
14.0185, 0.3508, 0.1706



1.3744, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 65.6533, 0.2216, 0.3014 looks on a white background.

Color Contrast Check

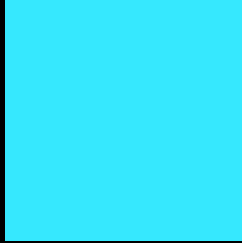
Large Text (above 18pt) WCAG AA × Fail

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 65.6533, 0.2216, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

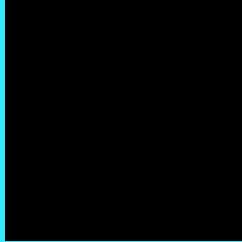
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6533, 0.2216, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 65.6533, 0.2216, 0.3014.



This preview shows how white text looks on a background with the Yxy color 65.6533, 0.2216, 0.3014.

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

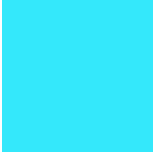
65.6533, 0.2216, 0.3014

Protanopia

64.2639, 0.2906, 0.2956

Deuteranopia

64.4844, 0.2806, 0.2760



Tritanopia

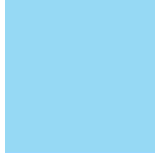
65.4083, 0.2223, 0.3050

Trichromacy



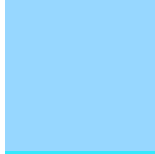
Original Color

65.6533, 0.2216, 0.3014



Protanomaly

62.6414, 0.2543, 0.2966



Deuteranomaly

62.4002, 0.2491, 0.2820



Tritanomaly

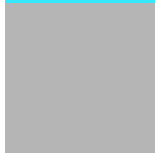
65.4984, 0.2221, 0.3038

Monochromacy



Original Color

65.6533, 0.2216, 0.3014



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

51.0135, 0.2621, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6533, 0.2216, 0.3014 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(54, 232, 254)` looks like.

```
.text, #text, p{  
    color:rgb(54, 232, 254)  
}
```

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(54, 232, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 232, 254) }
```

Border

The CSS property to change the border of an element to Yxy 65.6533, 0.2216, 0.3014 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(54, 232, 254) }
```

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

```
.border{ border-color:rgb(54, 232, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 232, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 232, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 232, 254);  
box-shadow:4px 4px 4px 4px rgb(54, 232,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6533, 0.2216, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 232, 254) }
```

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

```
.background{ background-color: rgb(54, 232,  
254) }
```

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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