

Converting Colors

$Y_{xy}(65.8369, 0.2182, 0.3016)$

Have a look what the booklet for
Yxy(65.8369, 0.2182, 0.3016)
contains.

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Color

Yxy(65.6800, 0.2181, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	17E9FF
RGB	23, 233, 255
RGB Percent	9%, 91%, 100%
CMY	0.9089, 0.0863, 0.0001
CMYK	0.91, 0.09, 0.00, 0.00
HSL	186°, 100%, 55%
HSV	186°, 91%, 100%
XYZ	47.5433, 65.6800, 104.7654
YIQ	172.7180, -132.2220, -37.6780

Conversions

Conversions Part 2

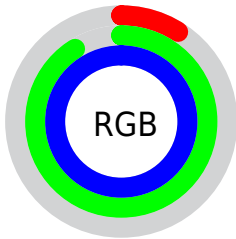
Format	Color
R _Y B	23, 133, 255
Decimal	1567231
CIE Lab	84.83, -37.72, -23.60
CIE LCh	85, 44.492, 212.029
Yxy	65.6800, 0.2181, 0.3013
Android (android.graphics.Color)	4279757311 (0xFF17E9FF)
YUV	172.7180, 40.5650, -131.3027
Hunter-Lab	81.0432, -37.1100, -19.9146

Details

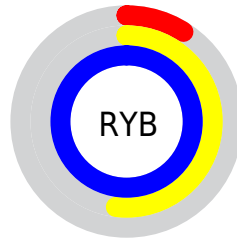
The Yxy color **65.6800, 0.2181, 0.3013** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.2130, 0.6170, 0.3383**, and the grayscale version is **41.5144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **35.5215, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **64.2576, 0.2162, 0.2984**, and if you desaturate by 10%, it is **67.5226, 0.2216, 0.3046**.

Distribution



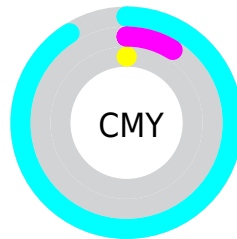
- Red (9%)
- Green (91%)
- Blue (100%)



- Red (9%)
- Yellow (52%)
- Blue (100%)



- Cyan (91%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (91%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6800, 0.2181, 0.3013 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 65.6800, 0.2181, 0.3013 by changing the saturation by 10% instead.

 65.6800, 0.2181,
0.3013

 65.6800, 0.2181,
0.3013


445.2316, 0.2608,
0.3159

 48.0127, 0.2087,
0.2976


 113.0269, 0.2326,
0.3067


 33.8369, 0.1974,
0.2928


 143.4753, 0.2384,
0.3087

 22.7684, 0.1834,
0.2866


 178.9529, 0.2433,
0.3103

 14.4226, 0.1658,
0.2779

 219.8439, 0.2477,
0.3118

 8.4151, 0.1432,
0.2656

266.5330, 0.2515,
0.3130

 4.3617, 0.1138,
0.2468

319.4043, 0.2550,

 1.8779, 0.0738,

0.3141

378.8424, 0.2580,
0.3150

0.2165

■ 0.5350, 0.0000,
0.1572

■ 0.0000, 0.0000,
0.0000

■ 65.6800, 0.2181,
0.3013

■ 65.6800, 0.2181,
0.3013

■ 64.2576, 0.2162,
0.2984

■ 67.5226, 0.2216,
0.3046

■ 69.7390, 0.2270,
0.3079

■ 72.3845, 0.2344,
0.3112

■ 75.5033, 0.2436,
0.3145

■ 79.1339, 0.2547,
0.3177

■ 83.3109, 0.2673,
0.3207

■ 88.0655, 0.2811,
0.3236

■ 93.4267, 0.2959,
0.3263

■ 99.4215, 0.3113,
0.3288

Harmonies

Analogous

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



65.6800, 0.2450, 0.3563



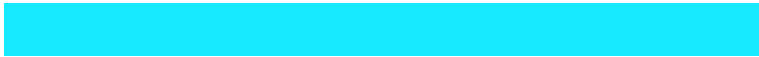
65.6800, 0.2181, 0.3013



65.6800, 0.2143, 0.2613

Triad

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



65.6800, 0.2181, 0.3013



65.6800, 0.3275, 0.2658



65.6800, 0.3935, 0.4186

Complementary

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



65.6800, 0.2181, 0.3013



23.2130, 0.6170, 0.3383

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.



65.6800, 0.4210, 0.3848



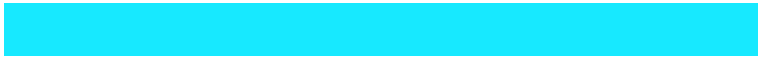
65.6800, 0.2181, 0.3013



65.6800, 0.3820, 0.3001

Square

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



65.6800, 0.2181, 0.3013



65.6800, 0.2732, 0.2453



65.6800, 0.4174, 0.3421



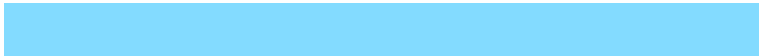
65.6800, 0.3455, 0.4298

Rectangle

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



65.6800, 0.2181, 0.3013



65.6800, 0.2246, 0.2466



65.6800, 0.4174, 0.3421



65.6800, 0.4056, 0.4091

Sweetspot

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



65.6824, 0.2181, 0.3013



85.1015, 0.2725, 0.3219



71.8663, 0.2981, 0.5862



17.8799, 0.2679, 0.3209



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.



65.6824, 0.2181, 0.3013



64.2663, 0.2162, 0.2984



20.7874, 0.1753, 0.1452



20.1694, 0.2980, 0.3267



33.7014, 0.2164, 0.2989



3.3636, 0.2174, 0.3026

Inverse Universe

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



27.7623, 0.3441, 0.1698



27.0189, 0.3469, 0.1684



45.9172, 0.5043, 0.4313



18.2689, 0.3153, 0.3078



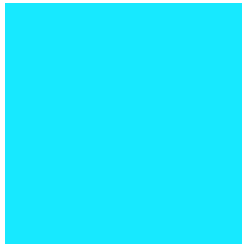
14.1301, 0.3464, 0.1682



1.3841, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 65.6800, 0.2181, 0.3013 looks on a white background.

Color Contrast Check

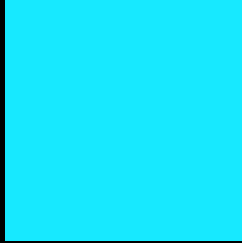
Large Text (above 18pt) WCAG AA × Fail

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 65.6800, 0.2181, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

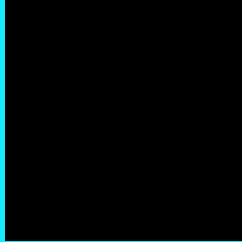
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6800, 0.2181, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 65.6800, 0.2181, 0.3013.

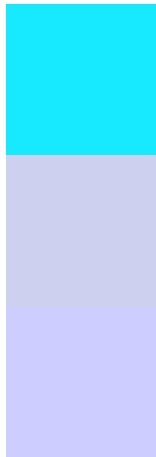


This preview shows how white text looks on a background with the Yxy color 65.6800, 0.2181, 0.3013.

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

65.6800, 0.2181, 0.3013

Protanopia

64.3229, 0.2899, 0.2946

Deuteranopia

64.3417, 0.2800, 0.2759



Tritanopia

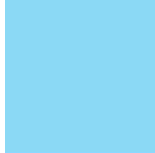
65.4077, 0.2186, 0.3048

Trichromacy



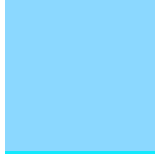
Original Color

65.6800, 0.2181, 0.3013



Protanomaly

61.7072, 0.2483, 0.2950



Deuteranomaly

61.8207, 0.2434, 0.2825



Tritanomaly

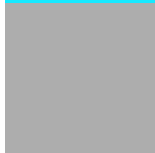
65.4983, 0.2184, 0.3036

Monochromacy



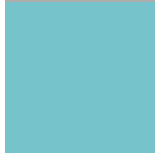
Original Color

65.6800, 0.2181, 0.3013



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

47.2639, 0.2547, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6800, 0.2181, 0.3013 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(23, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 233, 255)  
}
```

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(23, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.6800, 0.2181, 0.3013 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(23, 233, 255) }
```

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

```
.border{ border-color:rgb(23, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6800, 0.2181, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 233, 255) }
```

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

```
.background{ background-color: rgb(23, 233,  
255) }
```

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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