

Converting Colors

$Y_{xy}(65.1378, 0.2197, 0.3108)$

Have a look what the booklet for
Yxy(65.1378, 0.2197, 0.3108)
contains.

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Color

Yxy(64.9997, 0.2197, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	00E9F7
RGB	0, 233, 247
RGB Percent	0%, 91%, 97%
CMY	1.0000, 0.0862, 0.0313
CMYK	1.00, 0.06, 0.00, 0.03
HSL	183°, 100%, 48%
HSV	183°, 100%, 97%
XYZ	45.9326, 64.9997, 98.1372
YIQ	164.9290, -143.3620, -45.0420

Conversions

Conversions Part 2

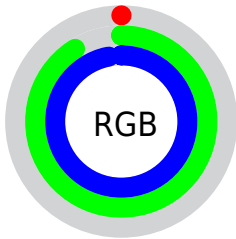
Format	Color
RYB	0, 120, 247
Decimal	59895
CIELab	84.48, -40.75, -19.94
CIELCh	84, 45.366, 206.080
Yxy	64.9997, 0.2197, 0.3109
Android (android.graphics.Color)	4278249975 (0xFF00E9F7)
YUV	164.9290, 40.4610, -144.6427
Hunter-Lab	80.6224, -39.3933, -15.7348

Details

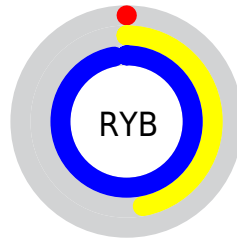
The Yxy color **64.9997, 0.2197, 0.3109** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.0927, 0.6371, 0.3323**, and the grayscale version is **37.4515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **35.2059, 0.2183, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **65.0017, 0.2197, 0.3109**, and if you desaturate by 10%, it is **66.0015, 0.2214, 0.3128**.

Distribution



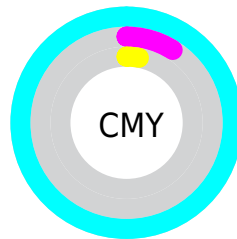
- Red (0%)
- Green (91%)
- Blue (97%)



- Red (0%)
- Yellow (47%)
- Blue (97%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9997, 0.2197, 0.3109 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 64.9997, 0.2197, 0.3109 by changing the saturation by 10% instead.


 64.9997, 0.2197,
0.3109


 64.9997, 0.2197,
0.3109


442.7909, 0.2619,
0.3210

 47.4608, 0.2104,
0.3082


 112.0494, 0.2341,
0.3147


 33.4001, 0.1990,
0.3047


 142.3291, 0.2398,
0.3161


 22.4331, 0.1850,
0.2999


 177.6244, 0.2447,
0.3173

 14.1755, 0.1673,
0.2931

 218.3199, 0.2490,
0.3183

 8.2428, 0.1445,
0.2831

 264.7999, 0.2528,
0.3191

 4.2507, 0.1144,
0.2672

317.4488, 0.2562,

 1.8148, 0.0703,

0.3198

0.2410

376.6510, 0.2592,
0.3204

■ 0.4964, 0.0000,
0.1777

■ 0.0000, 0.0000,
0.0000

■ 64.9997, 0.2197,
0.3109

■ 64.9997, 0.2197,
0.3109

■ 65.0017, 0.2197,
0.3109

■ 66.0015, 0.2214,
0.3128

■ 67.2645, 0.2247,
0.3147

■ 68.8707, 0.2297,
0.3166

■ 70.8680, 0.2368,
0.3186

■ 73.2968, 0.2457,
0.3205

■ 76.1922, 0.2565,
0.3224

■ 79.5856, 0.2689,
0.3242

■ 83.5060, 0.2826,
0.3259

■ 87.9798, 0.2973,
0.3275

Harmonies

Analogous

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



64.9997, 0.2515, 0.3685



64.9997, 0.2197, 0.3109



64.9997, 0.2111, 0.2661

Triad

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



64.9997, 0.2197, 0.3109



64.9997, 0.3162, 0.2591



64.9997, 0.4029, 0.4149

Complementary

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



64.9997, 0.2197, 0.3109



20.0927, 0.6371, 0.3323

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.



64.9997, 0.4254, 0.3775



64.9997, 0.2197, 0.3109



64.9997, 0.3735, 0.2916

Square

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



64.9997, 0.2197, 0.3109



64.9997, 0.2628, 0.2416



64.9997, 0.4150, 0.3334



64.9997, 0.3569, 0.4325

Rectangle

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



64.9997, 0.2197, 0.3109



64.9997, 0.2186, 0.2482



64.9997, 0.4150, 0.3334



64.9997, 0.4136, 0.4039

Sweetspot

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



65.0021, 0.2197, 0.3109



85.5273, 0.2688, 0.3242



66.5622, 0.2994, 0.5978



17.9625, 0.2634, 0.3234



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.



65.0021, 0.2197, 0.3109



69.8577, 0.2197, 0.3109



18.1218, 0.1718, 0.1384



18.5873, 0.2981, 0.3276



34.4429, 0.2198, 0.3112



3.0754, 0.2204, 0.3136

Inverse Universe

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



25.6622, 0.3359, 0.1624



27.5833, 0.3360, 0.1624



37.3488, 0.5285, 0.4186



16.7511, 0.3147, 0.3070



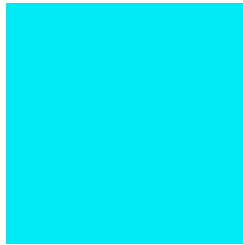
13.5764, 0.3357, 0.1623



1.1981, 0.3336, 0.1612

Previews

White Background



This preview shows how the Yxy color 64.9997, 0.2197, 0.3109 looks on a white background.

Color Contrast Check

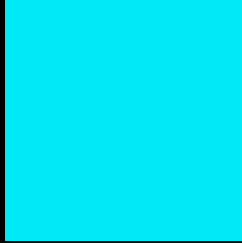
Large Text (above 18pt) WCAG AA × Fail

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 64.9997, 0.2197, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

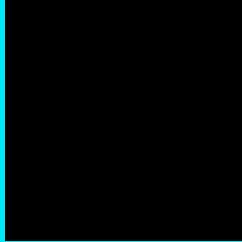
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9997, 0.2197, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 64.9997, 0.2197, 0.3109.

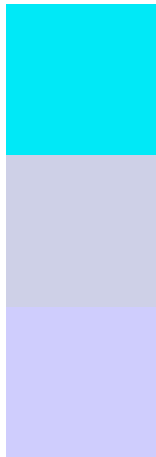


This preview shows how white text looks on a background with the Yxy color 64.9997, 0.2197, 0.3109.

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

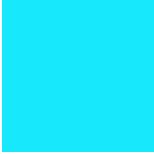
64.9932, 0.2197, 0.3109

Protanopia

64.0031, 0.2958, 0.3032

Deuteranopia

64.0199, 0.2825, 0.2770



Tritanopia

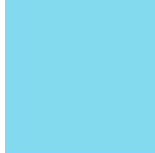
64.8604, 0.2191, 0.3048

Trichromacy



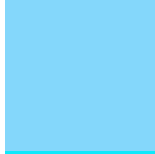
Original Color

64.9932, 0.2197, 0.3109



Protanomaly

60.5654, 0.2483, 0.3040



Deuteranomaly

60.4714, 0.2417, 0.2853



Tritanomaly

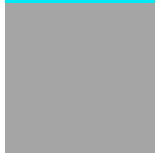
64.7169, 0.2189, 0.3060

Monochromacy



Original Color

64.9932, 0.2197, 0.3109



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

43.7703, 0.2504, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9997, 0.2197, 0.3109 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(0, 233, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 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(0, 233, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 247) }
```

Border

The CSS property to change the border of an element to Yxy 64.9997, 0.2197, 0.3109 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(0, 233, 247) }
```

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

```
.border{ border-color:rgb(0, 233, 247) }
```

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

Here you see how a box with a 4 pixel rgb(0, 233, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9997, 0.2197, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 247) }
```

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

```
.background{ background-color: rgb(0, 233,  
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](#).

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