

Converting Colors

$Y_{xy}(66.2668, 0.2224, 0.3207)$

Have a look what the booklet for
Yxy(66.2668, 0.2224, 0.3207)
contains.

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Color

Yxy(66.4017, 0.2225, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	00ECF2
RGB	0, 236, 242
RGB Percent	0%, 93%, 95%
CMY	1.0000, 0.0744, 0.0510
CMYK	1.00, 0.02, 0.00, 0.05
HSL	181°, 100%, 47%
HSV	181°, 100%, 95%
XYZ	46.0118, 66.4017, 94.3810
YIQ	166.1200, -142.5820, -48.1660

Conversions

Conversions Part 2

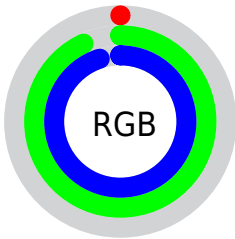
Format	Color
RYB	0, 119, 242
Decimal	60658
CIELab	85.20, -43.61, -16.21
CIELCh	85, 46.529, 200.389
Yxy	66.4017, 0.2225, 0.3211
Android (android.graphics.Color)	4278250738 (0xFF00ECF2)
YUV	166.1200, 37.4088, -145.6872
Hunter-Lab	81.4872, -41.8126, -11.6304

Details

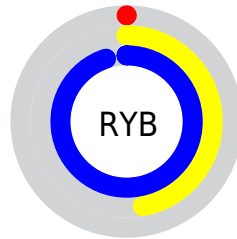
The Yxy color **66.4017, 0.2225, 0.3211** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.0037, 0.6388, 0.3310**, and the grayscale version is **38.0651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **35.7854, 0.2215, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **66.4095, 0.2225, 0.3211**, and if you desaturate by 10%, it is **66.9504, 0.2239, 0.3219**.

Distribution



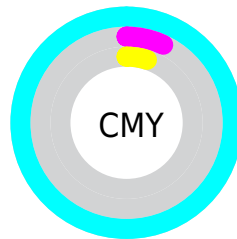
- Red (0%)
- Green (93%)
- Blue (95%)



- Red (0%)
- Yellow (47%)
- Blue (95%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4017, 0.2225, 0.3211 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 66.4017, 0.2225, 0.3211 by changing the saturation by 10% instead.


 66.4017, 0.2225,
0.3211


 66.4017, 0.2225,
0.3211


447.8121, 0.2634,
0.3263


 48.5986, 0.2134,
0.3196


 114.0627, 0.2365,
0.3232

 34.3011, 0.2024,
0.3174


 144.6893, 0.2420,
0.3239


 23.1250, 0.1887,
0.3145


 180.3593, 0.2468,
0.3245

 14.6859, 0.1714,
0.3101

 221.4569, 0.2509,
0.3250

 8.5992, 0.1489,
0.3033

 268.3666, 0.2546,
0.3254

 4.4807, 0.1191,
0.2919

321.4728, 0.2579,

 1.9459, 0.0748,

0.3257

0.2722

381.1598, 0.2608,
0.3260

■ 0.5758, 0.0000,
0.2236

■ 0.0000, 0.0000,
0.0000

■ 66.4017, 0.2225,
0.3211

■ 66.4017, 0.2225,
0.3211

■ 66.4095, 0.2225,
0.3211

■ 66.9504, 0.2239,
0.3219

■ 67.7372, 0.2268,
0.3227

■ 68.8463, 0.2315,
0.3235

■ 70.3233, 0.2381,
0.3244

■ 72.2064, 0.2467,
0.3252

■ 74.5290, 0.2571,
0.3260

■ 77.3211, 0.2692,
0.3268

■ 80.6101, 0.2827,
0.3276

■ 84.4211, 0.2973,
0.3283

Harmonies

Analogous

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



66.4017, 0.2589, 0.3801



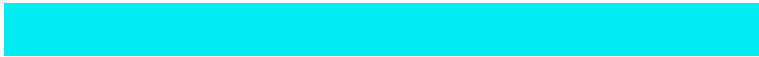
66.4017, 0.2225, 0.3211



66.4017, 0.2093, 0.2720

Triad

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



66.4017, 0.2225, 0.3211



66.4017, 0.3051, 0.2533



66.4017, 0.4110, 0.4101

Complementary

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



66.4017, 0.2225, 0.3211



19.0037, 0.6388, 0.3310

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.



66.4017, 0.4282, 0.3698



66.4017, 0.2225, 0.3211



66.4017, 0.3641, 0.2838

Square

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



66.4017, 0.2225, 0.3211



66.4017, 0.2533, 0.2388



66.4017, 0.4110, 0.3249



66.4017, 0.3676, 0.4333

Rectangle

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



66.4017, 0.2225, 0.3211



66.4017, 0.2138, 0.2510



66.4017, 0.4110, 0.3249



66.4017, 0.4202, 0.3979

Sweetspot

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



66.4095, 0.2225, 0.3211



87.0666, 0.2691, 0.3268



63.5026, 0.2998, 0.5992



18.3374, 0.2638, 0.3265



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.



66.4095, 0.2225, 0.3211



74.7935, 0.2225, 0.3211



19.1226, 0.1748, 0.1494



17.8581, 0.2981, 0.3284



35.7133, 0.2226, 0.3212



2.9920, 0.2229, 0.3223

Inverse Universe

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



24.9311, 0.3273, 0.1577



28.0816, 0.3273, 0.1577



33.5475, 0.5382, 0.4108



16.0243, 0.3142, 0.3063



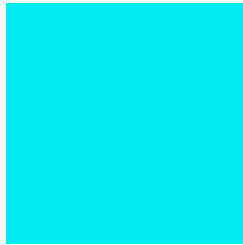
13.3986, 0.3272, 0.1576



1.1168, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 66.4017, 0.2225, 0.3211 looks on a white background.

Color Contrast Check

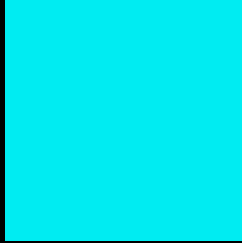
Large Text (above 18pt) WCAG AA × Fail

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 66.4017, 0.2225, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

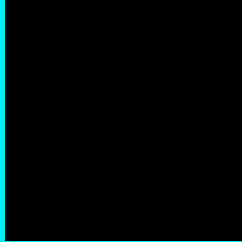
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.4017, 0.2225, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 66.4017, 0.2225, 0.3211.

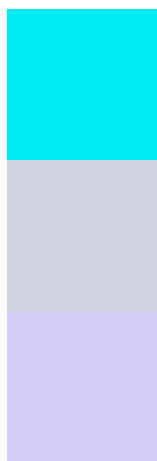


This preview shows how white text looks on a background with the Yxy color 66.4017, 0.2225, 0.3211.

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

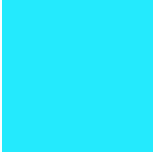
66.4017, 0.2225, 0.3211

Protanopia

65.3783, 0.3033, 0.3122

Deuteranopia

65.1283, 0.2891, 0.2826



Tritanopia

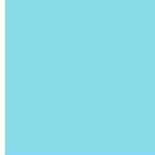
66.3126, 0.2202, 0.3050

Trichromacy



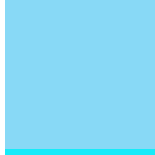
Original Color

66.4017, 0.2225, 0.3211



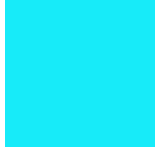
Protanomaly

61.5009, 0.2531, 0.3139



Deuteranomaly

61.5138, 0.2464, 0.2937



Tritanomaly

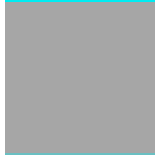
66.4384, 0.2208, 0.3111

Monochromacy



Original Color

66.4017, 0.2225, 0.3211



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.2208, 0.2517, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4017, 0.2225, 0.3211 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, 236, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 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(0, 236, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 242) }
```

Border

The CSS property to change the border of an element to Yxy 66.4017, 0.2225, 0.3211 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, 236, 242) }
```

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

```
.border{ border-color:rgb(0, 236, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4017, 0.2225, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 242) }
```

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

```
.background{ background-color: rgb(0, 236,  
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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