

Converting Colors

$Y_{xy}(57.5191, 0.1269, 0.2481)$

Have a look what the booklet for
Yxy(57.5191, 0.1269, 0.2481)
contains.

Yxy(68.3691, 0.2188, 0.3076)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.3691, 0.2188, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	00EEFF
RGB	0, 238, 255
RGB Percent	0%, 93%, 100%
CMY	0.9982, 0.0667, 0.0000
CMYK	1.00, 0.07, 0.00, 0.00
HSL	184°, 100%, 50%
HSV	184°, 100%, 100%
XYZ	48.6319, 68.3691, 105.2653
YIQ	168.7760, -147.3050, -45.1690

Conversions

Conversions Part 2

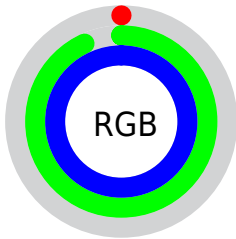
Format	Color
RYB	0, 123, 255
Decimal	61183
CIELab	86.19, -40.57, -21.57
CIELCh	86, 45.943, 208.000
Yxy	68.3691, 0.2188, 0.3076
Android (android.graphics.Color)	4278251263 (0xFF00EEFF)
YUV	168.7760, 42.5084, -148.0166
Hunter-Lab	82.6856, -39.7144, -17.6009

Details

The Yxy color **68.3691, 0.2188, 0.3076** 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 **21.6766, 0.6363, 0.3328**, and the grayscale version is **39.4715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **68.3485, 0.2188, 0.3076**, and if you desaturate by 10%, it is **69.5825, 0.2206, 0.3099**.

Distribution



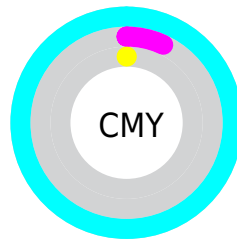
- Red (0%)
- Green (93%)
- Blue (100%)



- Red (0%)
- Yellow (48%)
- Blue (100%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3691, 0.2188, 0.3076 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 68.3691, 0.2188, 0.3076 by changing the saturation by 10% instead.


 68.3691, 0.2188,
0.3076


 68.3691, 0.2188,
0.3076


454.8026, 0.2609,
0.3192


 50.1981, 0.2096,
0.3046


 116.8800, 0.2331,
0.3119

 35.5708, 0.1984,
0.3007


 147.9887, 0.2388,
0.3135

 24.1029, 0.1847,
0.2955


 184.1787, 0.2437,
0.3148

 15.4100, 0.1675,
0.2884

 225.8344, 0.2480,
0.3160

 9.1076, 0.1455,
0.2779

273.3403, 0.2518,
0.3169

 4.8114, 0.1167,
0.2619

327.0807, 0.2552,

 2.1371, 0.0786,

0.3178

0.2353

387.4400, 0.2582,
0.3185

■ 0.6853, 0.0000,
0.1904

■ 0.0000, 0.0000,
0.0000

■ 68.3691, 0.2188,
0.3076

■ 68.3691, 0.2188,
0.3076

■ 68.3485, 0.2188,
0.3076

■ 69.5825, 0.2206,
0.3099

■ 71.0853, 0.2240,
0.3121

■ 72.9613, 0.2292,
0.3144

■ 75.2619, 0.2364,
0.3167

78.0309, 0.2455,
0.3190

81.3060, 0.2565,
0.3212

85.1215, 0.2689,
0.3234

89.5082, 0.2827,
0.3254

94.4949, 0.2975,
0.3273

Harmonies

Analogous

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



68.3691, 0.2491, 0.3646



68.3691, 0.2188, 0.3076



68.3691, 0.2118, 0.2643

Triad

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



68.3691, 0.2188, 0.3076



68.3691, 0.3199, 0.2610



68.3691, 0.4002, 0.4165

Complementary

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



68.3691, 0.2188, 0.3076



21.6766, 0.6363, 0.3328

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.



68.3691, 0.4245, 0.3800



68.3691, 0.2188, 0.3076



68.3691, 0.3766, 0.2942

Square

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



68.3691, 0.2188, 0.3076



68.3691, 0.2660, 0.2425



68.3691, 0.4163, 0.3363



68.3691, 0.3533, 0.4321

Rectangle

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



68.3691, 0.2188, 0.3076



68.3691, 0.2202, 0.2474



68.3691, 0.4163, 0.3363



68.3691, 0.4114, 0.4059

Sweetspot

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



68.3696, 0.2188, 0.3076



85.0467, 0.2687, 0.3233



71.5649, 0.2992, 0.5968



17.8456, 0.2633, 0.3225



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.



68.3696, 0.2188, 0.3076



68.3485, 0.2188, 0.3076



18.5404, 0.1704, 0.1332



20.2613, 0.2980, 0.3274



35.8022, 0.2189, 0.3080



3.5460, 0.2196, 0.3105

Inverse Universe

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



27.4429, 0.3387, 0.1640



27.4310, 0.3388, 0.1640



41.4208, 0.5234, 0.4225



18.2782, 0.3148, 0.3071



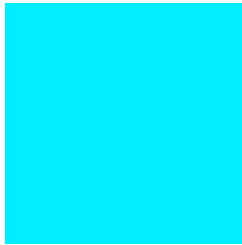
14.3422, 0.3385, 0.1638



1.4025, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 68.3691, 0.2188, 0.3076 looks on a white background.

Color Contrast Check

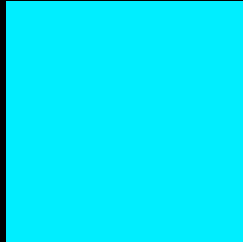
Large Text (above 18pt) WCAG AA × Fail

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 68.3691, 0.2188, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

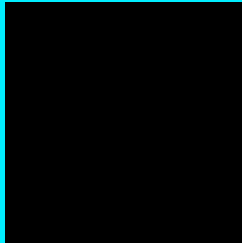
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

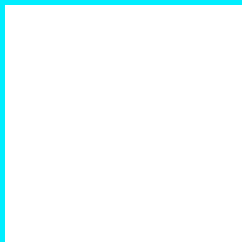
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.3691, 0.2188, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 68.3691, 0.2188, 0.3076.

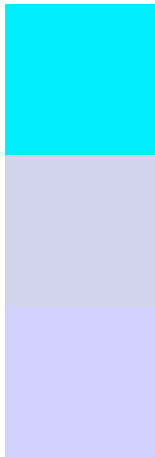


This preview shows how white text looks on a background with the Yxy color 68.3691, 0.2188, 0.3076.

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

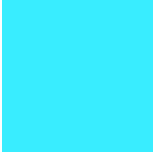
68.3691, 0.2188, 0.3076

Protanopia

66.9617, 0.2941, 0.3004

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

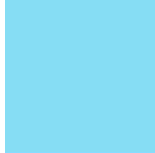
68.6582, 0.2234, 0.3066

Trichromacy



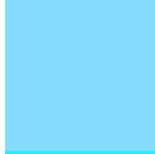
Original Color

68.3691, 0.2188, 0.3076



Protanomaly

63.3129, 0.2472, 0.3009



Deuteranomaly

63.4747, 0.2420, 0.2872



Tritanomaly

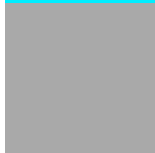
68.1634, 0.2206, 0.3065

Monochromacy



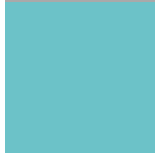
Original Color

68.3691, 0.2188, 0.3076



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

45.9418, 0.2503, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3691, 0.2188, 0.3076 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 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(0, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3691, 0.2188, 0.3076 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, 238, 255) }
```

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

```
.border{ border-color:rgb(0, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3691, 0.2188, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 255) }
```

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

```
.background{ background-color: rgb(0, 238,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor