

Converting Colors

$Y_{xy}(67.9900, 0.2191, 0.3066)$

Have a look what the booklet for
Yxy(67.9900, 0.2191, 0.3066)
contains.

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Color

Yxy(67.8899, 0.2190, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	0EEDFF
RGB	14, 237, 255
RGB Percent	5%, 93%, 100%
CMY	0.9434, 0.0705, 0.0000
CMYK	0.94, 0.07, 0.00, 0.00
HSL	184°, 100%, 53%
HSV	184°, 94%, 100%
XYZ	48.5244, 67.8899, 105.1584
YIQ	172.3750, -138.6860, -41.6780

Conversions

Conversions Part 2

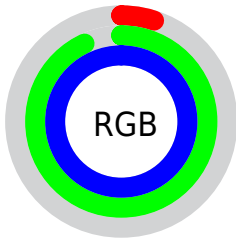
Format	Color
R _Y B	14, 130, 255
Decimal	978431
CIE Lab	85.95, -39.83, -21.91
CIE LCh	86, 45.459, 208.821
Yxy	67.8899, 0.2190, 0.3064
Android (android.graphics.Color)	4279168511 (0xFF0EEDFF)
YUV	172.3750, 40.7341, -138.8949
Hunter-Lab	82.3953, -39.0692, -17.9931

Details

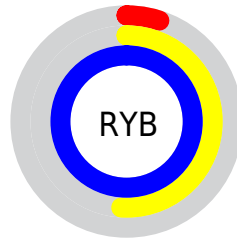
The Yxy color **67.8899, 0.2190, 0.3064** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **22.3493, 0.6271, 0.3349**, and the grayscale version is **41.3711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **36.7197, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **67.1715, 0.2181, 0.3050**, and if you desaturate by 10%, it is **69.3551, 0.2217, 0.3089**.

Distribution



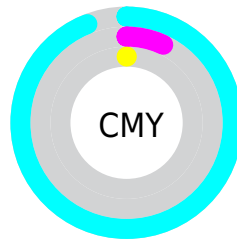
- Red (5%)
- Green (93%)
- Blue (100%)



- Red (5%)
- Yellow (51%)
- Blue (100%)



- Cyan (94%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (94%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8899, 0.2190, 0.3064 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 67.8899, 0.2190, 0.3064 by changing the saturation by 10% instead.


 67.8899, 0.2190,
0.3064


 67.8899, 0.2190,
0.3064

453.1058, 0.2611,
0.3185

 49.8082, 0.2098,
0.3033

 116.1946, 0.2333,
0.3109


 35.2610, 0.1986,
0.2992


 147.1864, 0.2389,
0.3126

 23.8640, 0.1849,
0.2938


 183.2503, 0.2439,
0.3140

 15.2328, 0.1677,
0.2864

 224.7708, 0.2482,
0.3152

 8.9829, 0.1456,
0.2757

272.1322, 0.2520,
0.3162

 4.7300, 0.1168,
0.2591

325.7189, 0.2553,

 2.0897, 0.0784,

0.3171

0.2319

385.9153, 0.2584,
0.3178

■ 0.6589, 0.0000,
0.1849

■ 0.0000, 0.0000,
0.0000

■ 67.8899, 0.2190,
0.3064

■ 67.8899, 0.2190,
0.3064


■ 67.1715, 0.2181,
0.3050

■ 69.3551, 0.2217,
0.3089

■ 71.1661, 0.2261,
0.3115


■ 73.3821, 0.2326,
0.3141


■ 76.0499, 0.2409,
0.3167

 79.2096, 0.2511,
0.3192

 82.8971, 0.2630,
0.3217

 87.1446, 0.2763,
0.3240

 91.9818, 0.2907,
0.3262

 97.4362, 0.3059,
0.3282

Harmonies

Analogous

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



67.8899, 0.2485, 0.3628



67.8899, 0.2190, 0.3064



67.8899, 0.2127, 0.2639

Triad

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



67.8899, 0.2190, 0.3064



67.8899, 0.3215, 0.2622



67.8899, 0.3985, 0.4166

Complementary

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



67.8899, 0.2190, 0.3064



22.3493, 0.6271, 0.3349

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.



67.8899, 0.4233, 0.3808



67.8899, 0.2190, 0.3064



67.8899, 0.3774, 0.2956

Square

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



67.8899, 0.2190, 0.3064



67.8899, 0.2677, 0.2434



67.8899, 0.4161, 0.3375



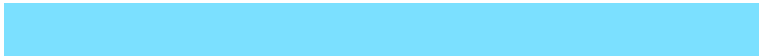
67.8899, 0.3516, 0.4312

Rectangle

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



67.8899, 0.2190, 0.3064



67.8899, 0.2214, 0.2475



67.8899, 0.4161, 0.3375



67.8899, 0.4099, 0.4063

Sweetspot

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



67.8920, 0.2190, 0.3064



85.5216, 0.2713, 0.3231



71.7131, 0.2988, 0.5922



17.9173, 0.2656, 0.3221



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.



67.8920, 0.2190, 0.3064



67.1715, 0.2181, 0.3050



20.4354, 0.1740, 0.1434



20.2352, 0.2980, 0.3272



35.1966, 0.2182, 0.3054



3.4935, 0.2190, 0.3083

Inverse Universe

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



27.7012, 0.3397, 0.1660



27.3122, 0.3410, 0.1652



43.3484, 0.5146, 0.4261



18.2755, 0.3150, 0.3073



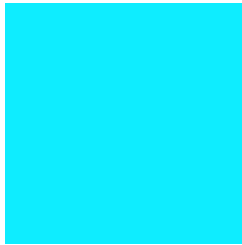
14.2811, 0.3407, 0.1650



1.3972, 0.3382, 0.1637

Previews

White Background



This preview shows how the Yxy color 67.8899, 0.2190, 0.3064 looks on a white background.

Color Contrast Check

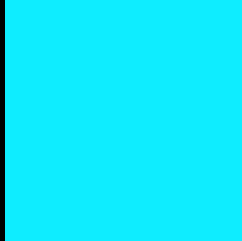
Large Text (above 18pt) WCAG AA × Fail

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 67.8899, 0.2190, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

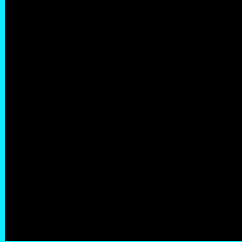
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8899, 0.2190, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 67.8899, 0.2190, 0.3064.

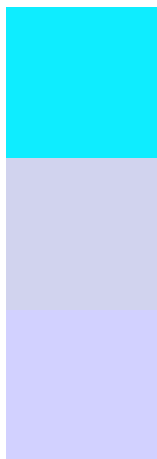


This preview shows how white text looks on a background with the Yxy color 67.8899, 0.2190, 0.3064.

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

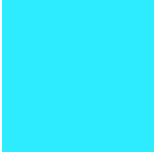
67.8817, 0.2190, 0.3064

Protanopia

66.3169, 0.2934, 0.2993

Deuteranopia

66.5226, 0.2835, 0.2797



Tritanopia

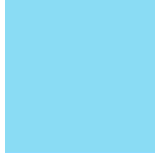
67.7688, 0.2213, 0.3053

Trichromacy



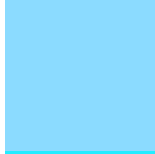
Original Color

67.8817, 0.2190, 0.3064



Protanomaly

63.1213, 0.2489, 0.2998



Deuteranomaly

63.3720, 0.2440, 0.2862



Tritanomaly

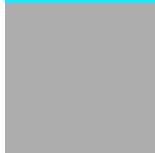
67.5510, 0.2201, 0.3052

Monochromacy



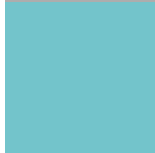
Original Color

67.8817, 0.2190, 0.3064



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

47.4365, 0.2528, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8899, 0.2190, 0.3064 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(14, 237, 255)` looks like.

```
.text, #text, p{  
  color:rgb(14, 237, 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(14, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8899, 0.2190, 0.3064 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(14, 237, 255) }
```

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

```
.border{ border-color:rgb(14, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(14, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(14, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8899, 0.2190, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 237, 255) }
```

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

```
.background{ background-color: rgb(14, 237,  
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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