

Converting Colors

$Yxy(64.4584, 0.2212, 0.3163)$

Have a look what the booklet for
Yxy(64.4584, 0.2212, 0.3163)
contains.

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Color

Yxy(64.6886, 0.2214, 0.3172)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00E9F2 |
| RGB | 0, 233, 242 |
| RGB Percent | 0%, 91%, 95% |
| CMY | 1.0000, 0.0862, 0.0510 |
| CMYK | 1.00, 0.04, 0.00, 0.05 |
| HSL | 182°, 100%, 47% |
| HSV | 182°, 100%, 95% |
| XYZ | 45.1515, 64.6886, 94.0962 |
| YIQ | 164.3590, -141.7570, -46.5970 |

Conversions

Conversions Part 2

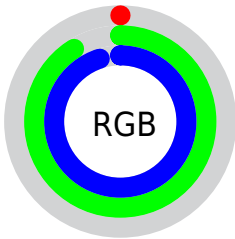
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 119, 242 |
| Decimal | 59890 |
| CIELab | 84.32, -42.29, -17.53 |
| CIELCh | 84, 45.782, 202.516 |
| Yxy | 64.6886, 0.2214, 0.3172 |
| Android (android.graphics.Color) | 4278249970 (0xFF00E9F2) |
| YUV | 164.3590, 38.2770, -144.1428 |
| Hunter-Lab | 80.4292, -40.5445, -13.0644 |

Details

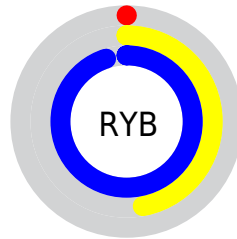
The Yxy color **64.6886, 0.2214, 0.3172** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.0688, 0.6382, 0.3315**, and the grayscale version is **37.1738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **34.9895, 0.2205, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **64.6990, 0.2215, 0.3172**, and if you desaturate by 10%, it is **65.4045, 0.2230, 0.3184**.

Distribution



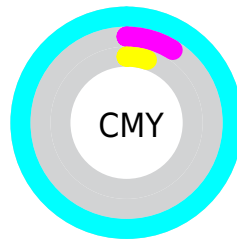
- Red (0%)
- Green (91%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6886, 0.2214, 0.3172 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 64.6886, 0.2214, 0.3172 by changing the saturation by 10% instead.


 64.6886, 0.2214,
0.3172


 64.6886, 0.2214,
0.3172


441.6721, 0.2630,
0.3243


 47.2086, 0.2122,
0.3152


 111.6020, 0.2356,
0.3200


 33.2006, 0.2009,
0.3125


 141.8043, 0.2412,
0.3210


 22.2802, 0.1870,
0.3088


 177.0161, 0.2461,
0.3218

 14.0629, 0.1693,
0.3034

 217.6218, 0.2503,
0.3224

 8.1644, 0.1464,
0.2952

 264.0059, 0.2540,
0.3230

 4.2003, 0.1160,
0.2817

316.5527, 0.2573,

 1.7863, 0.0689,

0.3235

0.2592

375.6466, 0.2603,
0.3239

■ 0.4786, 0.0000,
0.1949

■ 0.0000, 0.0000,
0.0000

■ 64.6886, 0.2214,
0.3172

■ 64.6886, 0.2214,
0.3172

■ 64.6990, 0.2215,
0.3172

■ 65.4045, 0.2230,
0.3184

■ 66.3573, 0.2260,
0.3196

■ 67.6339, 0.2308,
0.3209

■ 69.2799, 0.2376,
0.3222

71.3333, 0.2464,
0.3234

73.8278, 0.2569,
0.3246

76.7932, 0.2691,
0.3258

80.2568, 0.2827,
0.3270

84.2440, 0.2973,
0.3280

Harmonies

Analogous

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



64.6886, 0.2560, 0.3757



64.6886, 0.2214, 0.3172



64.6886, 0.2099, 0.2697

Triad

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



64.6886, 0.2214, 0.3172



64.6886, 0.3093, 0.2554



64.6886, 0.4080, 0.4120

Complementary

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



64.6886, 0.2214, 0.3172



19.0688, 0.6382, 0.3315

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.



64.6886, 0.4272, 0.3727



64.6886, 0.2214, 0.3172



64.6886, 0.3677, 0.2867

Square

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



64.6886, 0.2214, 0.3172



64.6886, 0.2568, 0.2398



64.6886, 0.4126, 0.3281



64.6886, 0.3636, 0.4331

Rectangle

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



64.6886, 0.2214, 0.3172



64.6886, 0.2156, 0.2499



64.6886, 0.4126, 0.3281



64.6886, 0.4178, 0.4002

Sweetspot

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



64.6990, 0.2215, 0.3172



86.4697, 0.2690, 0.3258



63.5118, 0.2996, 0.5985



18.1919, 0.2637, 0.3253



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.



64.6990, 0.2215, 0.3172



72.8611, 0.2214, 0.3172



18.2034, 0.1733, 0.1439



17.8226, 0.2981, 0.3281



34.8091, 0.2215, 0.3174



2.9269, 0.2220, 0.3190

Inverse Universe

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



24.7586, 0.3306, 0.1595



27.8865, 0.3306, 0.1595



34.5899, 0.5333, 0.4148



16.0207, 0.3144, 0.3066



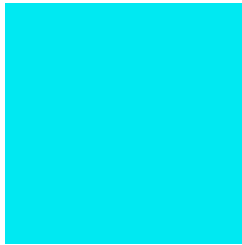
13.3074, 0.3304, 0.1594



1.1102, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 64.6886, 0.2214, 0.3172 looks on a white background.

Color Contrast Check

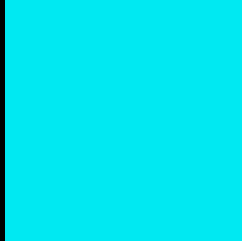
Large Text (above 18pt) WCAG AA × Fail

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 64.6886, 0.2214, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

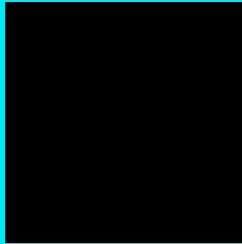
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6886, 0.2214, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 64.6886, 0.2214, 0.3172.



This preview shows how white text looks on a background with the Yxy color 64.6886, 0.2214, 0.3172.

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

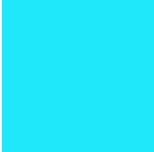
64.6886, 0.2214, 0.3172

Protanopia

63.3820, 0.2997, 0.3076

Deuteranopia

63.5184, 0.2869, 0.2811



Tritanopia

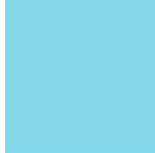
64.9853, 0.2198, 0.3048

Trichromacy



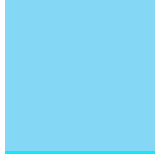
Original Color

64.6886, 0.2214, 0.3172



Protanomaly

59.8435, 0.2509, 0.3088



Deuteranomaly

60.2412, 0.2445, 0.2910



Tritanomaly

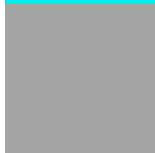
64.6393, 0.2199, 0.3084

Monochromacy



Original Color

64.6886, 0.2214, 0.3172



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.1440, 0.2513, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6886, 0.2214, 0.3172 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 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, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.6886, 0.2214, 0.3172 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, 242) }
```

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

```
.border{ border-color:rgb(0, 233, 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, 233, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6886, 0.2214, 0.3172 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, 242) }
```

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

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