

Converting Colors

$Y_{xy}(64.7929, 0.2224, 0.3206)$

Have a look what the booklet for
Yxy(64.7929, 0.2224, 0.3206)
contains.

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Color

Yxy(64.5691, 0.2221, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	00E9F0
RGB	0, 233, 240
RGB Percent	0%, 91%, 94%
CMY	1.0000, 0.0862, 0.0588
CMYK	1.00, 0.03, 0.00, 0.06
HSL	182°, 100%, 47%
HSV	182°, 100%, 94%
XYZ	44.8570, 64.5691, 92.5416
YIQ	164.1310, -141.1150, -47.2190

Conversions

Conversions Part 2

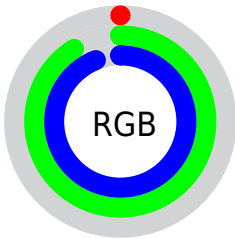
Format	Color
RYB	0, 118, 240
Decimal	59888
CIELab	84.26, -42.88, -16.58
CIELCh	84, 45.971, 201.145
Yxy	64.5691, 0.2221, 0.3197
Android (android.graphics.Color)	4278249968 (0xFF00E9F0)
YUV	164.1310, 37.4034, -143.9429
Hunter-Lab	80.3549, -40.9758, -12.0336

Details

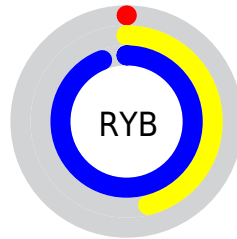
The Yxy color **64.5691, 0.2221, 0.3197** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.6784, 0.6385, 0.3312**, and the grayscale version is **37.0638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **34.9050, 0.2214, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **64.5785, 0.2221, 0.3197**, and if you desaturate by 10%, it is **65.1694, 0.2236, 0.3206**.

Distribution



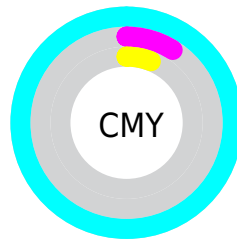
- Red (0%)
- Green (91%)
- Blue (94%)



- Red (0%)
- Yellow (46%)
- Blue (94%)



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





- Cyan (100%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5691, 0.2221, 0.3197 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 64.5691, 0.2221, 0.3197 by changing the saturation by 10% instead.


 64.5691, 0.2221,
0.3197


 64.5691, 0.2221,
0.3197


441.2419, 0.2634,
0.3256

 47.1118, 0.2129,
0.3180


 111.4301, 0.2363,
0.3220


 33.1240, 0.2017,
0.3156


 141.6026, 0.2418,
0.3229

 22.2215, 0.1878,
0.3124


 176.7823, 0.2466,
0.3235

 14.0197, 0.1702,
0.3076

 217.3535, 0.2508,
0.3241

 8.1344, 0.1472,
0.3002

 263.7007, 0.2545,
0.3246

 4.1811, 0.1167,
0.2877

316.2082, 0.2578,

 1.7754, 0.0682,

0.3249

0.2668

375.2605, 0.2608,
0.3253

■ 0.4717, 0.0000,
0.2022

■ 0.0000, 0.0000,
0.0000

■ 64.5691, 0.2221,
0.3197

■ 64.5691, 0.2221,
0.3197

■ 64.5785, 0.2221,
0.3197

■ 65.1694, 0.2236,
0.3206

■ 66.0019, 0.2265,
0.3216

■ 67.1511, 0.2313,
0.3226

■ 68.6617, 0.2380,
0.3236

■ 70.5711, 0.2466,
0.3246

■ 72.9120, 0.2571,
0.3255

■ 75.7138, 0.2692,
0.3265

■ 79.0034, 0.2827,
0.3274

■ 82.8054, 0.2973,
0.3282

Harmonies

Analogous

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



64.5691, 0.2579, 0.3785



64.5691, 0.2221, 0.3197



64.5691, 0.2095, 0.2712

Triad

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



64.5691, 0.2221, 0.3197



64.5691, 0.3066, 0.2540



64.5691, 0.4100, 0.4108

Complementary

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



64.5691, 0.2221, 0.3197



18.6784, 0.6385, 0.3312

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.



64.5691, 0.4279, 0.3708



64.5691, 0.2221, 0.3197



64.5691, 0.3654, 0.2848

Square

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



64.5691, 0.2221, 0.3197



64.5691, 0.2545, 0.2392



64.5691, 0.4116, 0.3261



64.5691, 0.3662, 0.4332

Rectangle

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



64.5691, 0.2221, 0.3197



64.5691, 0.2144, 0.2506



64.5691, 0.4116, 0.3261



64.5691, 0.4194, 0.3987

Sweetspot

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



64.5785, 0.2221, 0.3197



86.8506, 0.2691, 0.3265



62.3334, 0.2998, 0.5992



18.2847, 0.2638, 0.3261



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.



64.5785, 0.2221, 0.3197



74.0916, 0.2221, 0.3197



18.7833, 0.1749, 0.1495



17.8453, 0.2981, 0.3283



35.3849, 0.2222, 0.3199



2.9684, 0.2225, 0.3211

Inverse Universe

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



24.4107, 0.3284, 0.1583



28.0107, 0.3285, 0.1583



32.9429, 0.5382, 0.4109



16.0230, 0.3142, 0.3064



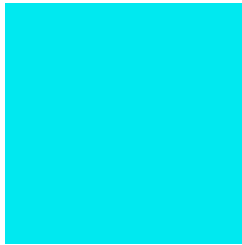
13.3655, 0.3283, 0.1582



1.1144, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 64.5691, 0.2221, 0.3197 looks on a white background.

Color Contrast Check

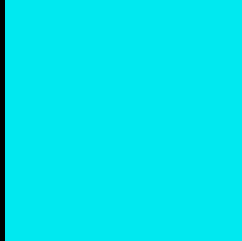
Large Text (above 18pt) WCAG AA × Fail

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 64.5691, 0.2221, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

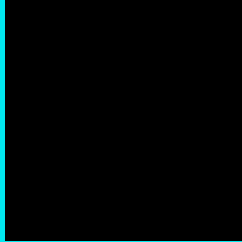
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5691, 0.2221, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 64.5691, 0.2221, 0.3197.

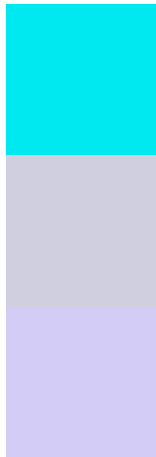


This preview shows how white text looks on a background with the Yxy color 64.5691, 0.2221, 0.3197.

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

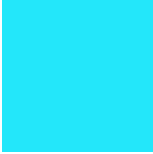
64.5691, 0.2221, 0.3197

Protanopia

63.4174, 0.3018, 0.3098

Deuteranopia

63.6028, 0.2882, 0.2822



Tritanopia

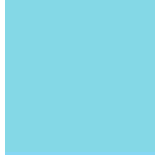
64.4113, 0.2201, 0.3047

Trichromacy



Original Color

64.5691, 0.2221, 0.3197



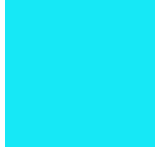
Protanomaly

59.7304, 0.2519, 0.3112



Deuteranomaly

60.2009, 0.2459, 0.2934



Tritanomaly

64.5376, 0.2207, 0.3109

Monochromacy



Original Color

64.5691, 0.2221, 0.3197



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 64.5691, 0.2221, 0.3197 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 240) }
```

Border

The CSS property to change the border of an element to Yxy 64.5691, 0.2221, 0.3197 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, 240) }
```

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

```
.border{ border-color:rgb(0, 233, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5691, 0.2221, 0.3197 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, 240) }
```

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

```
.background{ background-color: rgb(0, 233,  
240) }
```

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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