

Converting Colors

$Yxy(51.5319, 0.1208, 0.3301)$

Have a look what the booklet for
Yxy(51.5319, 0.1208, 0.3301)
contains.

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Color

Yxy(64.7288, 0.2250, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	00EAE9
RGB	0, 234, 233
RGB Percent	0%, 92%, 91%
CMY	1.0000, 0.0823, 0.0861
CMYK	1.00, 0.00, 0.00, 0.08
HSL	180°, 100%, 46%
HSV	180°, 100%, 92%
XYZ	44.1333, 64.7288, 87.2858
YIQ	163.9200, -139.1430, -49.9190

Conversions

Conversions Part 2

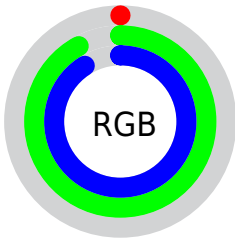
Format	Color
RYB	0, 117, 234
Decimal	60137
CIELab	84.34, -45.34, -12.78
CIELCh	84, 47.105, 195.748
Yxy	64.7288, 0.2250, 0.3300
Android (android.graphics.Color)	4278250217 (0xFF00EAE9)
YUV	163.9200, 34.0564, -143.7578
Hunter-Lab	80.4542, -42.8784, -8.0065

Details

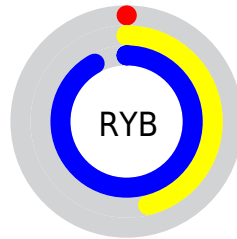
The Yxy color **64.7288, 0.2250, 0.3300** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.4948, 0.6397, 0.3298**, and the grayscale version is **36.9714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **34.6186, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **64.7320, 0.2250, 0.3300**, and if you desaturate by 10%, it is **64.9244, 0.2262, 0.3299**.

Distribution



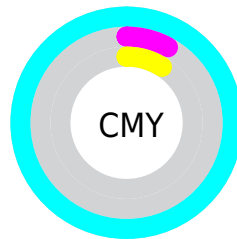
- Red (0%)
- Green (92%)
- Blue (91%)



- Red (0%)
- Yellow (46%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7288, 0.2250, 0.3300 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 64.7288, 0.2250, 0.3300 by changing the saturation by 10% instead.

 64.7288, 0.2250,
0.3300


 64.7288, 0.2250,
0.3300


441.8168, 0.2652,
0.3308


 47.2412, 0.2160,
0.3295


 111.6599, 0.2388,
0.3306

 33.2264, 0.2050,
0.3286


 141.8721, 0.2442,
0.3307


 22.2999, 0.1914,
0.3273


 177.0947, 0.2489,
0.3308

 14.0774, 0.1739,
0.3250

 217.7121, 0.2530,
0.3308

 8.1745, 0.1511,
0.3210

 264.1086, 0.2566,
0.3309

 4.2068, 0.1204,
0.3134

316.6686, 0.2597,

 1.7899, 0.0677,

0.3309

0.3009

375.7765, 0.2626,
0.3309

■ 0.4809, 0.0000,
0.2437

■ 0.0000, 0.0000,
0.0000

■ 64.7288, 0.2250,
0.3300

■ 64.7288, 0.2250,
0.3300

■ 64.7320, 0.2250,
0.3300

■ 64.9244, 0.2262,
0.3299

■ 65.3426, 0.2287,
0.3298

■ 66.0581, 0.2331,
0.3296

■ 67.1126, 0.2394,
0.3295

■ 68.5415, 0.2477,
0.3294

■ 70.3754, 0.2578,
0.3293

■ 72.6420, 0.2697,
0.3292

■ 75.3663, 0.2829,
0.3291

■ 78.5718, 0.2974,
0.3291

Harmonies

Analogous

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



64.7288, 0.2652, 0.3900



64.7288, 0.2250, 0.3300



64.7288, 0.2078, 0.2772

Triad

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



64.7288, 0.2250, 0.3300



64.7288, 0.2958, 0.2484



64.7288, 0.4177, 0.4060

Complementary

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



64.7288, 0.2250, 0.3300



17.4948, 0.6397, 0.3298

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.



64.7288, 0.4303, 0.3634



64.7288, 0.2250, 0.3300



64.7288, 0.3561, 0.2772

Square

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



64.7288, 0.2250, 0.3300



64.7288, 0.2454, 0.2366



64.7288, 0.4074, 0.3178



64.7288, 0.3767, 0.4336

Rectangle

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



64.7288, 0.2250, 0.3300



64.7288, 0.2100, 0.2534



64.7288, 0.4074, 0.3178



64.7288, 0.4256, 0.3927

Sweetspot

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



64.7320, 0.2250, 0.3300



88.2440, 0.2695, 0.3292



58.8718, 0.3003, 0.5998



18.6246, 0.2643, 0.3292



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.



64.7320, 0.2250, 0.3300



78.6725, 0.2250, 0.3300



19.5913, 0.1780, 0.1609



17.1208, 0.2982, 0.3291



36.3758, 0.2250, 0.3300



2.8567, 0.2250, 0.3298

Inverse Universe

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



17.4948, 0.6397, 0.3298



21.2623, 0.6398, 0.3298



29.3255, 0.5479, 0.4032



15.0551, 0.3292, 0.3290



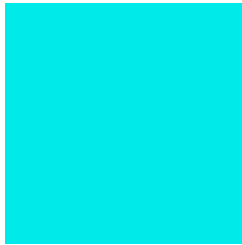
9.8314, 0.6396, 0.3297



0.7724, 0.6384, 0.3290

Previews

White Background



This preview shows how the Yxy color 64.7288, 0.2250, 0.3300 looks on a white background.

Color Contrast Check

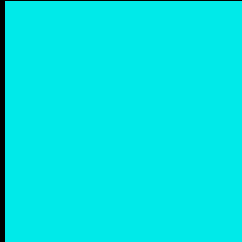
Large Text (above 18pt) WCAG AA × Fail

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 64.7288, 0.2250, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

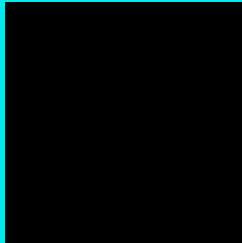
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7288, 0.2250, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 64.7288, 0.2250, 0.3300.

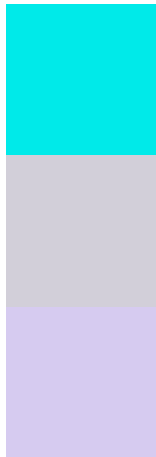


This preview shows how white text looks on a background with the Yxy color 64.7288, 0.2250, 0.3300.

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

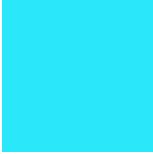
64.7288, 0.2250, 0.3300

Protanopia

63.3370, 0.3080, 0.3177

Deuteranopia

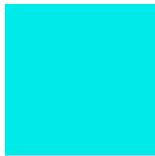
63.2993, 0.2955, 0.2886



Tritanopia

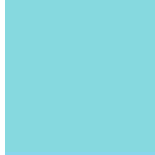
64.5675, 0.2211, 0.3048

Trichromacy



Original Color

64.7288, 0.2250, 0.3300



Protanomaly

60.0218, 0.2567, 0.3212



Deuteranomaly

59.4418, 0.2500, 0.3003



Tritanomaly

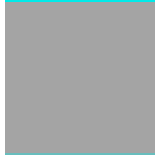
64.4779, 0.2218, 0.3134

Monochromacy



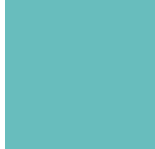
Original Color

64.7288, 0.2250, 0.3300



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.0124, 0.2530, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7288, 0.2250, 0.3300 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, 234, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 233)  
}
```

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, 234, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 233) }
```

Border

The CSS property to change the border of an element to Yxy 64.7288, 0.2250, 0.3300 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, 234, 233) }
```

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

```
.border{ border-color:rgb(0, 234, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7288, 0.2250, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 233) }
```

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

```
.background{ background-color: rgb(0, 234,  
233) }
```

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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