

Converting Colors

$Yxy(63.0203, 0.1963, 0.3311)$

Have a look what the booklet for
Yxy(63.0203, 0.1963, 0.3311)
contains.

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Color

Yxy(67.2635, 0.2250, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	00EEED
RGB	0, 238, 237
RGB Percent	0%, 93%, 93%
CMY	1.0000, 0.0667, 0.0705
CMYK	1.00, 0.00, 0.00, 0.07
HSL	180°, 100%, 47%
HSV	180°, 100%, 93%
XYZ	45.8615, 67.2635, 90.7038
YIQ	166.7240, -141.5270, -50.7670

Conversions

Conversions Part 2

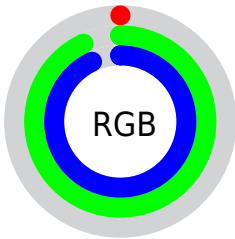
Format	Color
RYB	0, 119, 238
Decimal	61165
CIELab	85.64, -45.92, -12.95
CIELCh	86, 47.712, 195.748
Yxy	67.2635, 0.2250, 0.3300
Android (android.graphics.Color)	4278251245 (0xFF00EEED)
YUV	166.7240, 34.6461, -146.2169
Hunter-Lab	82.0143, -43.7099, -8.1618

Details

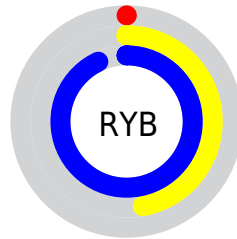
The Yxy color **67.2635, 0.2250, 0.3300** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.1798, 0.6398, 0.3298**, and the grayscale version is **38.3845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **36.3839, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **67.2668, 0.2250, 0.3300**, and if you desaturate by 10%, it is **67.4643, 0.2262, 0.3299**.

Distribution



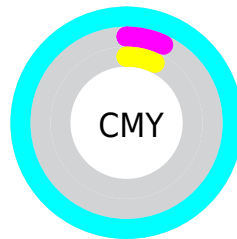
- Red (0%)
- Green (93%)
- Blue (93%)



- Red (0%)
- Yellow (47%)
- Blue (93%)



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





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2635, 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 67.2635, 0.2250, 0.3300 by changing the saturation by 10% instead.

 67.2635, 0.2250,
0.3300


 67.2635, 0.2250,
0.3300


 450.8821, 0.2649,
0.3308

 49.2988, 0.2161,
0.3295


 115.2979, 0.2387,
0.3306

 34.8566, 0.2054,
0.3287


 146.1364, 0.2440,
0.3307

 23.5524, 0.1919,
0.3274


 182.0349, 0.2487,
0.3308

 15.0019, 0.1749,
0.3252

 223.3779, 0.2527,
0.3308

 8.8207, 0.1527,
0.3214

 270.5497, 0.2563,
0.3309

 4.6244, 0.1231,
0.3142

 323.9348, 0.2595,

 2.0286, 0.0778,

0.3309

383.9174, 0.2623,
0.3309

0.3011

■ 0.6240, 0.0000,
0.2654

■ 0.0000, 0.0000,
0.0000

■ 67.2635, 0.2250,
0.3300

■ 67.2635, 0.2250,
0.3300

■ 67.2668, 0.2250,
0.3300

■ 67.4643, 0.2262,
0.3299

■ 67.8969, 0.2287,
0.3298

■ 68.6388, 0.2331,
0.3296

■ 69.7334, 0.2394,
0.3295

71.2175, 0.2477,
0.3294

73.1232, 0.2578,
0.3293

75.4792, 0.2696,
0.3292

78.3117, 0.2829,
0.3291

81.6451, 0.2974,
0.3291

Harmonies

Analogous

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



67.2635, 0.2652, 0.3900



67.2635, 0.2250, 0.3300



67.2635, 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.



67.2635, 0.2250, 0.3300



67.2635, 0.2958, 0.2484



67.2635, 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.



67.2635, 0.2250, 0.3300



18.1798, 0.6398, 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.



67.2635, 0.4303, 0.3634



67.2635, 0.2250, 0.3300



67.2635, 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.



67.2635, 0.2250, 0.3300



67.2635, 0.2454, 0.2366



67.2635, 0.4074, 0.3178



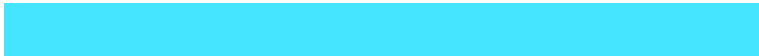
67.2635, 0.3767, 0.4336

Rectangle

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



67.2635, 0.2250, 0.3300



67.2635, 0.2100, 0.2534



67.2635, 0.4074, 0.3178



67.2635, 0.4256, 0.3927

Sweetspot

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



67.2668, 0.2250, 0.3300



88.2440, 0.2695, 0.3292



61.1766, 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.



67.2668, 0.2250, 0.3300



78.6726, 0.2250, 0.3300



20.3313, 0.1780, 0.1608



17.9278, 0.2982, 0.3291



37.5274, 0.2250, 0.3300



3.1223, 0.2250, 0.3298

Inverse Universe

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



18.1798, 0.6398, 0.3298



21.2623, 0.6398, 0.3298



30.4471, 0.5480, 0.4031



15.7599, 0.3293, 0.3290



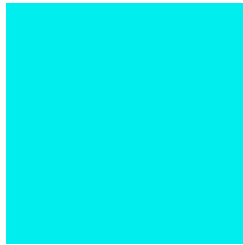
10.1427, 0.6396, 0.3297



0.8441, 0.6385, 0.3291

Previews

White Background



This preview shows how the Yxy color 67.2635, 0.2250, 0.3300 looks on a white background.

Color Contrast Check

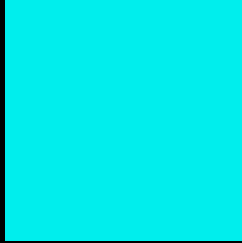
Large Text (above 18pt) WCAG AA × Fail

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 67.2635, 0.2250, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

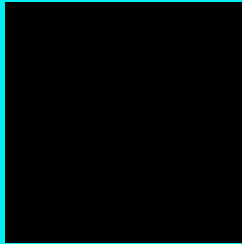
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

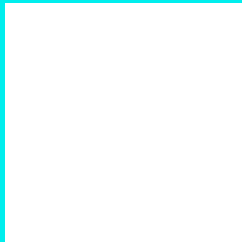
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2635, 0.2250, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 67.2635, 0.2250, 0.3300.

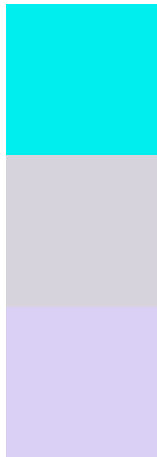


This preview shows how white text looks on a background with the Yxy color 67.2635, 0.2250, 0.3300.

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

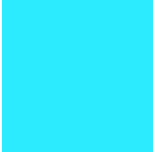
67.2635, 0.2250, 0.3300

Protanopia

66.0520, 0.3088, 0.3190

Deuteranopia

66.0627, 0.2958, 0.2892



Tritanopia

67.1079, 0.2212, 0.3052

Trichromacy



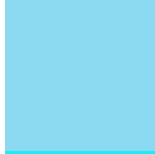
Original Color

67.2635, 0.2250, 0.3300



Protanomaly

62.4381, 0.2570, 0.3226



Deuteranomaly

61.9826, 0.2504, 0.3008



Tritanomaly

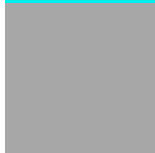
67.0151, 0.2219, 0.3136

Monochromacy



Original Color

67.2635, 0.2250, 0.3300



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.0099, 0.2534, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2635, 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, 238, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 237) }
```

Border

The CSS property to change the border of an element to Yxy 67.2635, 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, 238, 237) }
```

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

```
.border{ border-color:rgb(0, 238, 237) }
```

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, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2635, 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, 238, 237) }
```

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

```
.background{ background-color: rgb(0, 238,  
237) }
```

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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