

Converting Colors

$Y_{xy}(65.4050, 0.2415, 0.3865)$

Have a look what the booklet for
Yxy(65.4050, 0.2415, 0.3865)
contains.

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Color

Yxy(65.2448, 0.2416, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	10EEC4
RGB	16, 238, 196
RGB Percent	6%, 93%, 77%
CMY	0.9374, 0.0667, 0.2313
CMYK	0.93, 0.00, 0.18, 0.07
HSL	169°, 87%, 50%
HSV	169°, 93%, 93%
XYZ	40.7527, 65.2448, 62.6809
YIQ	166.8340, -118.8300, -60.1260

Conversions

Conversions Part 2

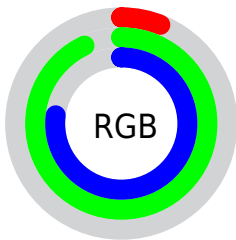
Format	Color
RYB	16, 139, 238
Decimal	1109700
CIELab	84.61, -56.63, 7.09
CIELCh	85, 57.075, 172.864
Yxy	65.2448, 0.2416, 0.3868
Android (android.graphics.Color)	4279299780 (0xFF10EEC4)
YUV	166.8340, 14.3788, -132.2814
Hunter-Lab	80.7743, -51.2971, 10.5329

Details

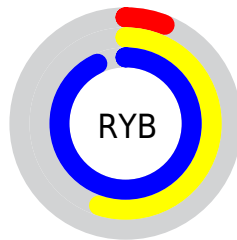
The Yxy color **65.2448, 0.2416, 0.3868** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **18.8518, 0.5957, 0.3101**, and the grayscale version is **38.5253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2567, 0.2438, 0.3311**, and **35.0007, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **65.0016, 0.2421, 0.3914**, and if you desaturate by 10%, it is **65.7918, 0.2421, 0.3799**.

Distribution



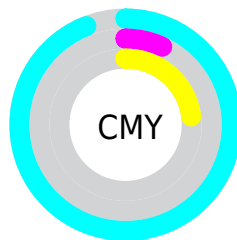
- Red (6%)
- Green (93%)
- Blue (77%)



- Red (6%)
- Yellow (55%)
- Blue (93%)



- Cyan (93%)
- Magenta (0%)
- Yellow (18%)
- Black (7%)





- Cyan (94%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2448, 0.2416, 0.3868 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 65.2448, 0.2416, 0.3868 by changing the saturation by 10% instead.

 65.2448, 0.2416,
0.3868

 65.2448, 0.2416,
0.3868


443.6711, 0.2753,
0.3588


 47.6596, 0.2338,
0.3935


 112.4017, 0.2534,
0.3768


 33.5574, 0.2240,
0.4019


 142.7423, 0.2580,
0.3730


 22.5538, 0.2116,
0.4129


 178.1034, 0.2619,
0.3698

 14.2644, 0.1953,
0.4276

 218.8694, 0.2653,
0.3670

 8.3048, 0.1730,
0.4484

 265.4248, 0.2682,
0.3646

 4.2906, 0.1411,
0.4797


318.1540, 0.2708,


 1.8374, 0.0470,


0.3624


0.5585


377.4413, 0.2732,
0.3605

 0.5103, 0.0000,
0.8948


 0.0000, 0.0000,
0.0000

 65.2448, 0.2416,
0.3868

 65.2448, 0.2416,
0.3868

 65.0016, 0.2421,
0.3914

 65.7918, 0.2421,
0.3799

 66.6350, 0.2445,
0.3730

 67.8237, 0.2489,
0.3661

 69.3967, 0.2552,
0.3594

■ 71.3875, 0.2633,
0.3528

■ 73.8258, 0.2730,
0.3466

■ 76.7388, 0.2839,
0.3408

■ 80.1512, 0.2959,
0.3354

■ 84.0863, 0.3085,
0.3305

Harmonies

Analogous

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



65.2448, 0.3040, 0.4460



65.2448, 0.2416, 0.3868



65.2448, 0.2011, 0.3118

Triad

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



65.2448, 0.2416, 0.3868



65.2448, 0.2446, 0.2216



65.2448, 0.4541, 0.3798

Complementary

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



65.2448, 0.2416, 0.3868



18.8518, 0.5957, 0.3101

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.



65.2448, 0.4376, 0.3266



65.2448, 0.2416, 0.3868



65.2448, 0.3084, 0.2405

Square

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



65.2448, 0.2416, 0.3868



65.2448, 0.2035, 0.2249



65.2448, 0.3814, 0.2777



65.2448, 0.4282, 0.4291

Rectangle

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



65.2448, 0.2416, 0.3868



65.2448, 0.1896, 0.2705



65.2448, 0.3814, 0.2777



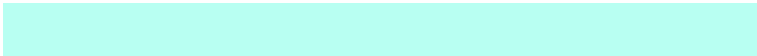
65.2448, 0.4536, 0.3620

Sweetspot

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



65.2473, 0.2416, 0.3868



88.0418, 0.2785, 0.3436



62.1604, 0.3086, 0.5893



18.5392, 0.2739, 0.3461



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.



65.2473, 0.2416, 0.3868



76.0146, 0.2421, 0.3916



35.5557, 0.1992, 0.2339



17.8747, 0.3006, 0.3335



36.2813, 0.2418, 0.3903



3.0313, 0.2392, 0.3812

Inverse Universe

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



18.8518, 0.5957, 0.3101



21.4752, 0.6142, 0.3157



24.3356, 0.5828, 0.3692



15.8077, 0.3263, 0.3246



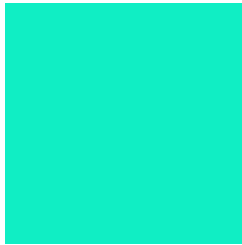
10.2607, 0.6102, 0.3135



0.8669, 0.5756, 0.2944

Previews

White Background



This preview shows how the Yxy color 65.2448, 0.2416, 0.3868 looks on a white background.

Color Contrast Check

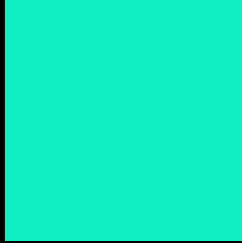
Large Text (above 18pt) WCAG AA × Fail

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 65.2448, 0.2416, 0.3868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

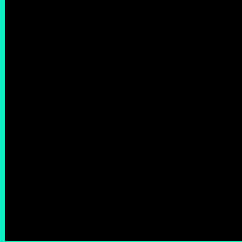
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2448, 0.2416, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 65.2448, 0.2416, 0.3868.



This preview shows how white text looks on a background with the Yxy color 65.2448, 0.2416, 0.3868.

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

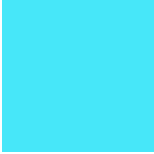
65.2448, 0.2416, 0.3868

Protanopia

64.1528, 0.3413, 0.3610

Deuteranopia

63.5896, 0.3340, 0.3269



Tritanopia

65.3310, 0.2263, 0.3063

Trichromacy



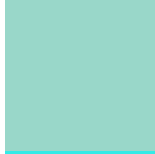
Original Color

65.2448, 0.2416, 0.3868



Protanomaly

60.8426, 0.2843, 0.3735



Deuteranomaly

59.5902, 0.2793, 0.3469



Tritanomaly

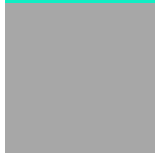
65.2626, 0.2306, 0.3340

Monochromacy



Original Color

65.2448, 0.2416, 0.3868



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.7990, 0.2649, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2448, 0.2416, 0.3868 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(16, 238, 196)` looks like.

```
.text, #text, p{  
    color:rgb(16, 238, 196)  
}
```

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(16, 238, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 238, 196) }
```

Border

The CSS property to change the border of an element to Yxy 65.2448, 0.2416, 0.3868 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(16, 238, 196) }
```

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

```
.border{ border-color:rgb(16, 238, 196) }
```

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

Here you see how a box with a 4 pixel rgb(16, 238, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 238, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 238, 196);  
box-shadow:4px 4px 4px 4px rgb(16, 238,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2448, 0.2416, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 238, 196) }
```

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

```
.background{ background-color: rgb(16, 238,  
196) }
```

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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