

Converting Colors

$Yxy(64.5234, 0.2717, 0.3606)$

Have a look what the booklet for
Yxy(64.5234, 0.2717, 0.3606)
contains.

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Color

Yxy(64.6057, 0.2716, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	8AE3CA
RGB	138, 227, 202
RGB Percent	54%, 89%, 79%
CMY	0.4585, 0.1098, 0.2078
CMYK	0.39, 0.00, 0.11, 0.11
HSL	163°, 61%, 72%
HSV	163°, 39%, 89%
XYZ	48.6199, 64.6057, 65.7872
YIQ	197.5390, -45.0190, -26.6430

Conversions

Conversions Part 2

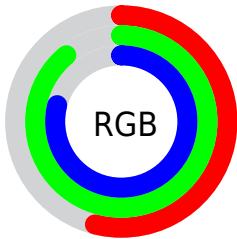
Format	Color
RYB	138, 190, 227
Decimal	9102282
CIELab	84.28, -32.36, 3.82
CIELCh	84, 32.588, 173.273
Yxy	64.6057, 0.2716, 0.3609
Android (android.graphics.Color)	4287292362 (0xFF8AE3CA)
YUV	197.5390, 2.1993, -52.2157
Hunter-Lab	80.3777, -32.6876, 7.7369

Details

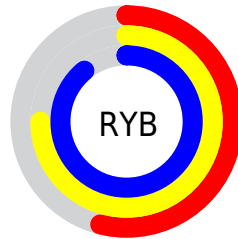
The Yxy color **64.6057, 0.2716, 0.3609** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.1739, 0.3824, 0.3000**, and the grayscale version is **56.1955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **33.0578, 0.2610, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **62.5731, 0.2636, 0.3707**, and if you desaturate by 10%, it is **67.0607, 0.2809, 0.3517**.

Distribution



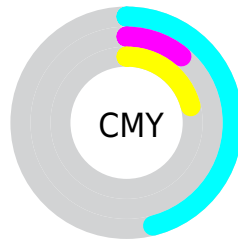
- Red (54%)
- Green (89%)
- Blue (79%)



- Red (54%)
- Yellow (75%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)



- Cyan (46%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6057, 0.2716, 0.3609 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 64.6057, 0.2716, 0.3609 by changing the saturation by 10% instead.


 64.6057, 0.2716,
0.3609


 64.6057, 0.2716,
0.3609


441.3737, 0.2911,
0.3456


 47.1414, 0.2670,
0.3645


 111.4828, 0.2785,
0.3555

 33.1475, 0.2613,
0.3691

 141.6644, 0.2811,
0.3534

 22.2394, 0.2540,
0.3750


 176.8539, 0.2834,
0.3516

 14.0329, 0.2442,
0.3830

217.4357, 0.2853,
0.3501

 8.1436, 0.2307,
0.3943

263.7942, 0.2870,
0.3488

 4.1870, 0.2106,
0.4114

316.3137, 0.2886,

 1.7787, 0.1767,

0.3476

0.4410

375.3788, 0.2899,
0.3465

0.4738, 0.0000,
0.6555

0.0000, 0.0000,
0.0000

64.6057, 0.2716,
0.3609

64.6057, 0.2716,
0.3609

62.5731, 0.2636,
0.3707

67.0607, 0.2809,
0.3517

60.9294, 0.2573,
0.3809

69.9536, 0.2912,
0.3432

59.6489, 0.2528,
0.3914

73.3085, 0.3022,
0.3355

58.6993, 0.2503,
0.4021

77.1457, 0.3137,
0.3284

■ 58.0422, 0.2498,
0.4128

■ 81.4840, 0.3254,
0.3222

■ 57.6172, 0.2510,
0.4233

■ 82.5021, 0.3235,
0.3160

■ 57.5861, 0.2512,
0.4242

■ 82.8885, 0.3194,
0.3098

■ 83.2884, 0.3152,
0.3037

■ 83.4143, 0.3140,
0.3019

Harmonies

Analogous

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



64.6057, 0.3093, 0.3923



64.6057, 0.2716, 0.3609



64.6057, 0.2459, 0.3208

Triad

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



64.6057, 0.2716, 0.3609



64.6057, 0.2734, 0.2634



64.6057, 0.3944, 0.3635

Complementary

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



64.6057, 0.2716, 0.3609



37.1739, 0.3824, 0.3000

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.



64.6057, 0.3841, 0.3306



64.6057, 0.2716, 0.3609



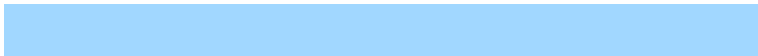
64.6057, 0.3119, 0.2752

Square

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



64.6057, 0.2716, 0.3609



64.6057, 0.2470, 0.2669



64.6057, 0.3531, 0.2991



64.6057, 0.3811, 0.3905

Rectangle

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



64.6057, 0.2716, 0.3609



64.6057, 0.2381, 0.2967



64.6057, 0.3531, 0.2991



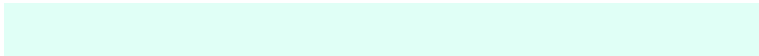
64.6057, 0.3936, 0.3528

Sweetspot

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



64.6083, 0.2716, 0.3609



94.1098, 0.2989, 0.3377



64.5861, 0.3237, 0.4428



20.0180, 0.2975, 0.3387



0.0000, 0.0000, 0.0000



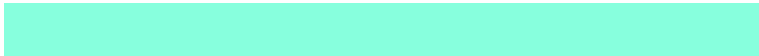
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6083, 0.2716, 0.3609



81.9210, 0.2650, 0.3688



55.9337, 0.2549, 0.3044



16.2637, 0.3019, 0.3357



33.6076, 0.2507, 0.4226



2.4992, 0.2464, 0.4072

Inverse Universe

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



37.1739, 0.3824, 0.3000



41.4880, 0.4047, 0.2942



42.3954, 0.4016, 0.3519



14.4342, 0.3248, 0.3224



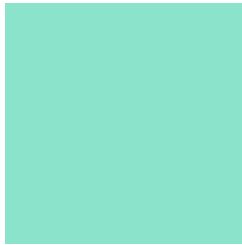
9.7559, 0.5823, 0.2981



0.7364, 0.5406, 0.2751

Previews

White Background



This preview shows how the Yxy color 64.6057, 0.2716, 0.3609 looks on a white background.

Color Contrast Check

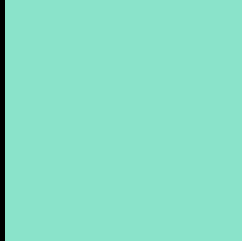
Large Text (above 18pt) WCAG AA × Fail

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 64.6057, 0.2716, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

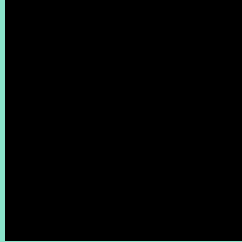
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

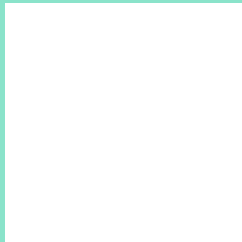
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6057, 0.2716, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 64.6057, 0.2716, 0.3609.

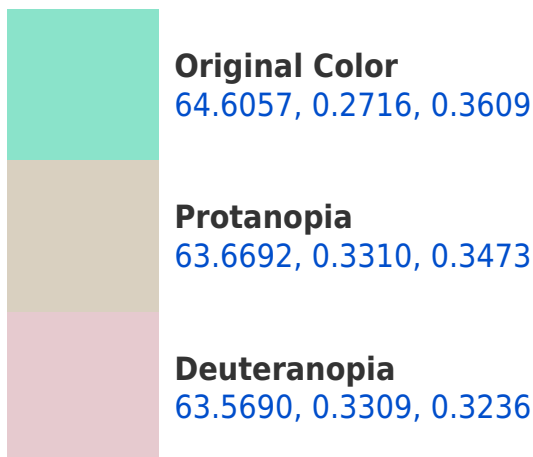


This preview shows how white text looks on a background with the Yxy color 64.6057, 0.2716, 0.3609.

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





Tritanopia

64.6776, 0.2562, 0.3084

Trichromacy



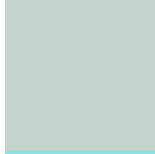
Original Color

64.6057, 0.2716, 0.3609



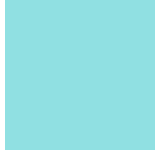
Protanomaly

63.2778, 0.3059, 0.3519



Deuteranomaly

62.8666, 0.3065, 0.3360



Tritanomaly

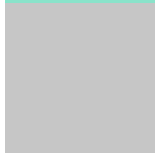
64.7316, 0.2616, 0.3264

Monochromacy



Original Color

64.6057, 0.2716, 0.3609



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.9546, 0.2954, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6057, 0.2716, 0.3609 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(138, 227, 202)` looks like.

```
.text, #text, p{  
    color:rgb(138, 227, 202)  
}
```

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(138, 227, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 227, 202) }
```

Border

The CSS property to change the border of an element to Yxy 64.6057, 0.2716, 0.3609 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(138, 227, 202) }
```

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

```
.border{ border-color:rgb(138, 227, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 227, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 227, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 227, 202); box-shadow:4px 4px 4px 4px rgb(138, 227, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6057, 0.2716, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 227, 202) }
```

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

```
.background{ background-color: rgb(138,  
227, 202) }
```

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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