

Converting Colors

Yxy(64.7616, 0.2812, 0.3828)

Have a look what the booklet for
Yxy(64.7616, 0.2812, 0.3828)
contains.

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Color

Yxy(64.6501, 0.2810, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	8CE4BB
RGB	140, 228, 187
RGB Percent	55%, 89%, 73%
CMY	0.4508, 0.1059, 0.2668
CMYK	0.39, 0.00, 0.18, 0.11
HSL	152°, 62%, 72%
HSV	152°, 39%, 89%
XYZ	47.5319, 64.6501, 56.9706
YIQ	197.0140, -39.2870, -31.4070

Conversions

Conversions Part 2

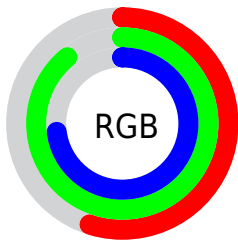
Format	Color
RYB	140, 197, 228
Decimal	9233595
CIELab	84.30, -35.47, 11.78
CIELCh	84, 37.371, 161.634
Yxy	64.6501, 0.2810, 0.3822
Android (android.graphics.Color)	4287423675 (0xFF8CE4BB)
YUV	197.0140, -4.9369, -50.0013
Hunter-Lab	80.4053, -35.1884, 14.2742

Details

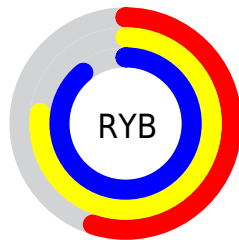
The Yxy color **64.6501, 0.2810, 0.3822** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.6044, 0.3632, 0.2819**, and the grayscale version is **55.8986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7268, 0.2845, 0.3417**, and **33.1576, 0.2724, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **62.4334, 0.2747, 0.3991**, and if you desaturate by 10%, it is **67.3162, 0.2884, 0.3665**.

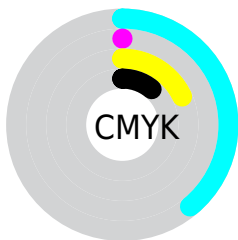
Distribution



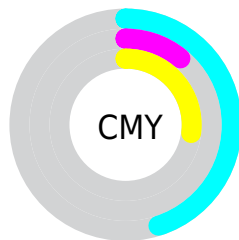
- Red (55%)
- Green (89%)
- Blue (73%)



- Red (55%)
- Yellow (77%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)





- Cyan (45%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6501, 0.2810, 0.3822 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 64.6501, 0.2810, 0.3822 by changing the saturation by 10% instead.


 64.6501, 0.2810,
0.3822

 64.6501, 0.2810,
0.3822


441.5335, 0.2964,
0.3561

 47.1774, 0.2773,
0.3886

 111.5467, 0.2865,
0.3728

 33.1759, 0.2726,
0.3966


 141.7393, 0.2886,
0.3693

 22.2613, 0.2664,
0.4072


176.9408, 0.2904,
0.3663

 14.0490, 0.2581,
0.4217

217.5354, 0.2919,
0.3637

 8.1547, 0.2462,
0.4427

263.9076, 0.2933,
0.3614

 4.1941, 0.2278,
0.4755

316.4417, 0.2945,

 1.7827, 0.1924,

0.3594

375.5222, 0.2955,
0.3577

0.5365

0.4764, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.6501, 0.2810,
0.3822

64.6501, 0.2810,
0.3822

62.4334, 0.2747,
0.3991

67.3162, 0.2884,
0.3665

60.6320, 0.2699,
0.4168


70.4477, 0.2965,
0.3521

59.2192, 0.2668,
0.4352


74.0697, 0.3051,
0.3391

58.1622, 0.2657,
0.4536


78.2029, 0.3140,
0.3274

 57.4219, 0.2666,
0.4717

 82.8669, 0.3229,
0.3171

 56.9411, 0.2694,
0.4890

 83.6978, 0.3166,
0.3069

 56.8824, 0.2698,
0.4914

 83.9662, 0.3139,
0.3029

Harmonies

Analogous

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



64.6501, 0.3265, 0.4102



64.6501, 0.2810, 0.3822



64.6501, 0.2457, 0.3371

Triad

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



64.6501, 0.2810, 0.3822



64.6501, 0.2542, 0.2539



64.6501, 0.4051, 0.3533

Complementary

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



64.6501, 0.2810, 0.3822



38.6044, 0.3632, 0.2819

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.



64.6501, 0.3832, 0.3159



64.6501, 0.2810, 0.3822



64.6501, 0.2934, 0.2611

Square

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



64.6501, 0.2810, 0.3822



64.6501, 0.2314, 0.2645



64.6501, 0.3410, 0.2832



64.6501, 0.3998, 0.3880

Rectangle

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



64.6501, 0.2810, 0.3822



64.6501, 0.2319, 0.3069



64.6501, 0.3410, 0.2832



64.6501, 0.4007, 0.3407

Sweetspot

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



64.6527, 0.2810, 0.3822



93.7658, 0.3021, 0.3435



67.2162, 0.3351, 0.4369



19.9369, 0.3009, 0.3452



0.0000, 0.0000, 0.0000



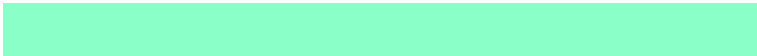
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6527, 0.2810, 0.3822



81.0810, 0.2761, 0.3951



65.0681, 0.2588, 0.3252



16.2171, 0.3044, 0.3402



32.8706, 0.2691, 0.4889



2.4478, 0.2621, 0.4635

Inverse Universe

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



38.6044, 0.3632, 0.2819



43.1754, 0.3780, 0.2727



38.0286, 0.4073, 0.3327



14.4793, 0.3220, 0.3181



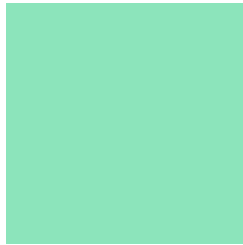
10.1529, 0.5096, 0.2581



0.7689, 0.4749, 0.2390

Previews

White Background



This preview shows how the Yxy color 64.6501, 0.2810, 0.3822 looks on a white background.

Color Contrast Check

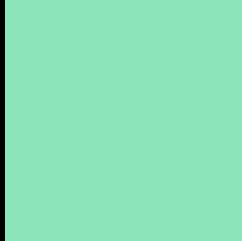
Large Text (above 18pt) WCAG AA × Fail

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 64.6501, 0.2810, 0.3822 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 64.6501, 0.2810, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 64.6501, 0.2810, 0.3822.

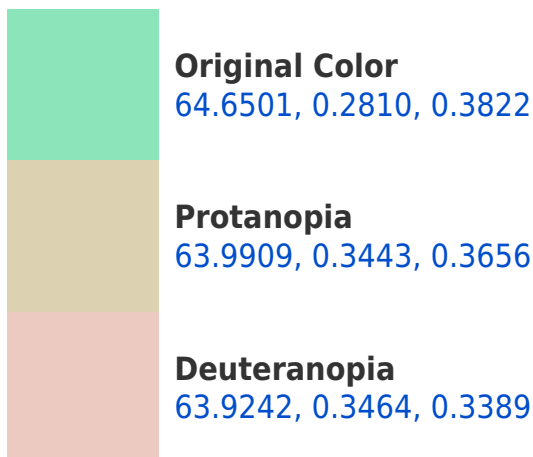


This preview shows how white text looks on a background with the Yxy color 64.6501, 0.2810, 0.3822.

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

64.6203, 0.2586, 0.3073

Trichromacy



Original Color

64.6501, 0.2810, 0.3822



Protanomaly

63.5243, 0.3180, 0.3714



Deuteranomaly

62.7676, 0.3191, 0.3527



Tritanomaly

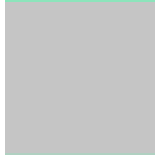
64.7745, 0.2669, 0.3338

Monochromacy



Original Color

64.6501, 0.2810, 0.3822



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.1921, 0.2993, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6501, 0.2810, 0.3822 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(140, 228, 187)` looks like.

```
.text, #text, p{  
    color:rgb(140, 228, 187)  
}
```

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(140, 228, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 228, 187) }
```

Border

The CSS property to change the border of an element to Yxy 64.6501, 0.2810, 0.3822 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(140, 228, 187) }
```

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

```
.border{ border-color:rgb(140, 228, 187) }
```

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

Here you see how a box with a 4 pixel rgb(140, 228, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 228, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 228, 187);  
box-shadow:4px 4px 4px 4px rgb(140, 228,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6501, 0.2810, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 228, 187) }
```

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

```
.background{ background-color: rgb(140,  
228, 187) }
```

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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