

Converting Colors

$Yxy(64.4969, 0.2806, 0.3827)$

Have a look what the booklet for
Yxy(64.4969, 0.2806, 0.3827)
contains.

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Color

Yxy(64.5636, 0.2804, 0.3823)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8BE4BB |
| RGB | 139, 228, 187 |
| RGB Percent | 55%, 89%, 73% |
| CMY | 0.4550, 0.1058, 0.2668 |
| CMYK | 0.39, 0.00, 0.18, 0.11 |
| HSL | 152°, 62%, 72% |
| HSV | 152°, 39%, 89% |
| XYZ | 47.3545, 64.5636, 56.9639 |
| YIQ | 196.7150, -39.8830, -31.6190 |

Conversions

Conversions Part 2

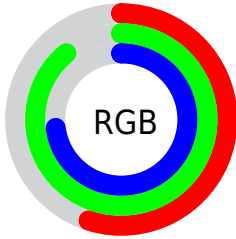
| Format | Color |
|-------------------------------------|---|
| RYB | 139, 197, 228 |
| Decimal | 9168059 |
| CIELab | 84.26, -35.77, 11.70 |
| CIElCh | 84, 37.635, 161.881 |
| Yxy | 64.5636, 0.2804, 0.3823 |
| Android (android.graphics.Color) | 4287358139 (0xFF8BE4BB) |
| YUV | 196.7150, -4.7895, -50.6161 |
| Hunter-Lab | 80.3515, -35.4175, 14.2133 |

Details

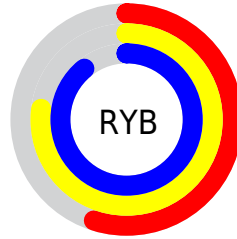
The Yxy color **64.5636, 0.2804, 0.3823** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.2492, 0.3646, 0.2819**, and the grayscale version is **55.6980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5932, 0.2839, 0.3417**, and **33.1111, 0.2718, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **62.3707, 0.2741, 0.3990**, and if you desaturate by 10%, it is **67.2040, 0.2878, 0.3667**.

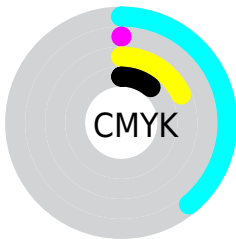
Distribution



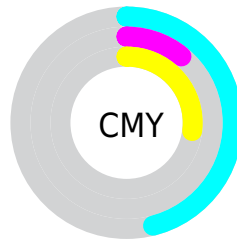
- Red (55%)
- Green (89%)
- Blue (73%)



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



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




- Cyan (46%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5636, 0.2804, 0.3823 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 64.5636, 0.2804, 0.3823 by changing the saturation by 10% instead.


 64.5636, 0.2804,
0.3823

 64.5636, 0.2804,
0.3823


441.2221, 0.2961,
0.3561

 47.1073, 0.2766,
0.3887


 111.4222, 0.2860,
0.3729

 33.1205, 0.2718,
0.3968


 141.5933, 0.2881,
0.3694

 22.2188, 0.2656,
0.4074


176.7715, 0.2900,
0.3663

 14.0177, 0.2571,
0.4219

217.3411, 0.2915,
0.3637

 8.1330, 0.2450,
0.4429

263.6866, 0.2929,
0.3615

 4.1802, 0.2263,
0.4759

316.1923, 0.2941,

 1.7749, 0.1899,

0.3595

0.5374

375.2427, 0.2952,
0.3577

0.4714, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5636, 0.2804,
0.3823

64.5636, 0.2804,
0.3823

62.3707, 0.2741,
0.3990

67.2040, 0.2878,
0.3667

60.5909, 0.2693,
0.4166


70.3081, 0.2960,
0.3525

59.1978, 0.2663,
0.4347


73.9008, 0.3046,
0.3395

58.1580, 0.2652,
0.4529


78.0030, 0.3136,
0.3280

 57.4323, 0.2662,
0.4708

 82.6343, 0.3225,
0.3177

 56.9600, 0.2690,
0.4879

 83.6567, 0.3171,
0.3076

 56.9209, 0.2693,
0.4895

 83.9728, 0.3139,
0.3029

Harmonies

Analogous

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



64.5636, 0.3262, 0.4107



64.5636, 0.2804, 0.3823



64.5636, 0.2450, 0.3368

Triad

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



64.5636, 0.2804, 0.3823



64.5636, 0.2541, 0.2534



64.5636, 0.4059, 0.3537

Complementary

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



64.5636, 0.2804, 0.3823



38.2492, 0.3646, 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.



64.5636, 0.3840, 0.3161



64.5636, 0.2804, 0.3823



64.5636, 0.2936, 0.2608

Square

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



64.5636, 0.2804, 0.3823



64.5636, 0.2310, 0.2639



64.5636, 0.3416, 0.2831



64.5636, 0.4002, 0.3887

Rectangle

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



64.5636, 0.2804, 0.3823



64.5636, 0.2312, 0.3064



64.5636, 0.3416, 0.2831



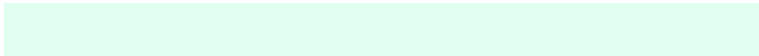
64.5636, 0.4015, 0.3411

Sweetspot

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



64.5662, 0.2804, 0.3823



93.7760, 0.3020, 0.3433



67.1225, 0.3353, 0.4383



19.9393, 0.3008, 0.3450



0.0000, 0.0000, 0.0000



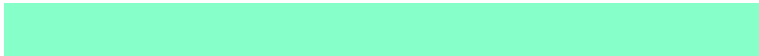
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5662, 0.2804, 0.3823



80.8423, 0.2751, 0.3960



64.9624, 0.2582, 0.3252



16.2185, 0.3043, 0.3400



32.8889, 0.2686, 0.4869



2.4491, 0.2616, 0.4618

Inverse Universe

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



38.2492, 0.3646, 0.2819



42.3646, 0.3808, 0.2722



37.6877, 0.4090, 0.3328



14.4780, 0.3220, 0.3182



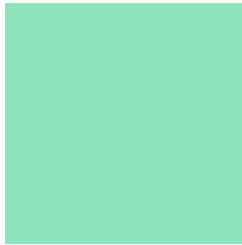
10.1376, 0.5119, 0.2594



0.7677, 0.4769, 0.2401

Previews

White Background



This preview shows how the Yxy color 64.5636, 0.2804, 0.3823 looks on a white background.

Color Contrast Check

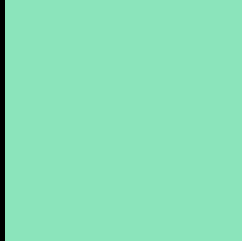
Large Text (above 18pt) WCAG AA × Fail

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 64.5636, 0.2804, 0.3823 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

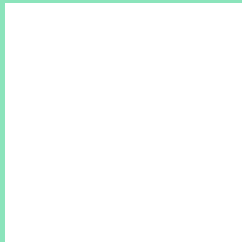
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5636, 0.2804, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 64.5636, 0.2804, 0.3823.



This preview shows how white text looks on a background with the Yxy color 64.5636, 0.2804, 0.3823.

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

64.5636, 0.2804, 0.3823

Protanopia

63.9909, 0.3443, 0.3656

Deuteranopia

63.7535, 0.3456, 0.3389



Tritanopia

64.5242, 0.2581, 0.3073

Trichromacy



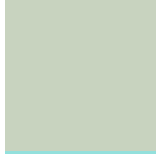
Original Color

64.5636, 0.2804, 0.3823



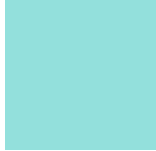
Protanomaly

63.5243, 0.3180, 0.3714



Deuteranomaly

62.6295, 0.3183, 0.3527



Tritanomaly

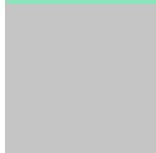
64.6817, 0.2663, 0.3338

Monochromacy



Original Color

64.5636, 0.2804, 0.3823



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 64.5636, 0.2804, 0.3823 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(139, 228, 187)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 228, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 228, 187) }
```

Border

The CSS property to change the border of an element to Yxy 64.5636, 0.2804, 0.3823 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(139, 228, 187) }
```

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

```
.border{ border-color:rgb(139, 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(139, 228, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 228, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 228, 187);  
box-shadow:4px 4px 4px 4px rgb(139, 228,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5636, 0.2804, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 228, 187) }
```

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

```
.background{ background-color: rgb(139,  
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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