

Converting Colors

$Yxy(64.8146, 0.2696, 0.3719)$

Have a look what the booklet for
Yxy(64.8146, 0.2696, 0.3719)
contains.

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Color

Yxy(64.6133, 0.2699, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	80E5C4
RGB	128, 229, 196
RGB Percent	50%, 90%, 77%
CMY	0.4978, 0.1020, 0.2313
CMYK	0.44, 0.00, 0.14, 0.10
HSL	160°, 66%, 70%
HSV	160°, 44%, 90%
XYZ	46.8920, 64.6133, 62.2331
YIQ	195.0390, -49.6030, -31.6750

Conversions

Conversions Part 2

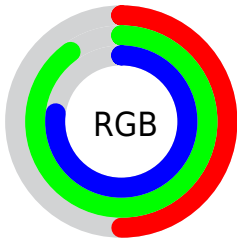
Format	Color
RYB	128, 188, 229
Decimal	8447428
CIELab	84.28, -37.17, 6.93
CIELCh	84, 37.814, 169.447
Yxy	64.6133, 0.2699, 0.3719
Android (android.graphics.Color)	4286637508 (0xFF80E5C4)
YUV	195.0390, 0.4738, -58.7932
Hunter-Lab	80.3824, -36.5392, 10.3646

Details

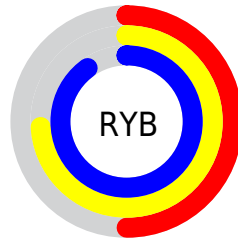
The Yxy color **64.6133, 0.2699, 0.3719** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.6837, 0.3901, 0.2911**, and the grayscale version is **54.6258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9261, 0.2736, 0.3310**, and **33.1422, 0.2590, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **62.7028, 0.2631, 0.3837**, and if you desaturate by 10%, it is **66.9467, 0.2781, 0.3608**.

Distribution



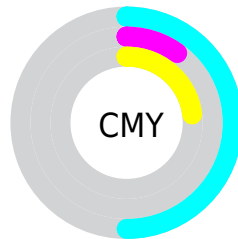
- Red (50%)
- Green (90%)
- Blue (77%)



- Red (50%)
- Yellow (74%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6133, 0.2699, 0.3719 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 64.6133, 0.2699, 0.3719 by changing the saturation by 10% instead.


 64.6133, 0.2699,
0.3719

 64.6133, 0.2699,
0.3719


441.4010, 0.2903,
0.3511


 47.1476, 0.2651,
0.3769


 111.4937, 0.2771,
0.3645

 33.1523, 0.2590,
0.3832


 141.6772, 0.2799,
0.3616

 22.2432, 0.2512,
0.3915


 176.8688, 0.2823,
0.3592

 14.0357, 0.2408,
0.4027

217.4527, 0.2843,
0.3572

 8.1455, 0.2263,
0.4186

263.8136, 0.2861,
0.3553

 4.1882, 0.2045,
0.4433


316.3356, 0.2877,

 1.7794, 0.1636,


0.3538


0.4890


375.4033, 0.2891,
0.3523

 0.4743, 0.0000,
0.9364


 0.0000, 0.0000,
0.0000


 64.6133, 0.2699,
0.3719


 64.6133, 0.2699,
0.3719


 62.7028, 0.2631,
0.3837


 66.9467, 0.2781,
0.3608

 61.1800, 0.2580,
0.3960


 69.7201, 0.2875,
0.3504


 60.0163, 0.2549,
0.4086

 72.9593, 0.2976,
0.3409

 59.1761, 0.2538,
0.4212

 76.6855, 0.3083,
0.3323


 58.6158, 0.2546,
0.4337

 80.9187, 0.3192,
0.3245

 58.3754, 0.2558,
0.4410

 83.6417, 0.3230,
0.3173

 84.0978, 0.3181,
0.3101

 84.5164, 0.3139,
0.3039

Harmonies

Analogous

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



64.6133, 0.3143, 0.4064



64.6133, 0.2699, 0.3719



64.6133, 0.2385, 0.3248

Triad

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



64.6133, 0.2699, 0.3719



64.6133, 0.2625, 0.2534



64.6133, 0.4075, 0.3632

Complementary

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



64.6133, 0.2699, 0.3719



34.6837, 0.3901, 0.2911

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.



64.6133, 0.3923, 0.3254



64.6133, 0.2699, 0.3719



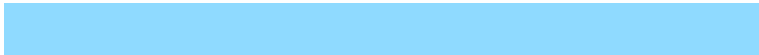
64.6133, 0.3054, 0.2649

Square

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



64.6133, 0.2699, 0.3719



64.6133, 0.2347, 0.2592



64.6133, 0.3536, 0.2905



64.6133, 0.3950, 0.3963

Rectangle

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



64.6133, 0.2699, 0.3719



64.6133, 0.2280, 0.2959



64.6133, 0.3536, 0.2905



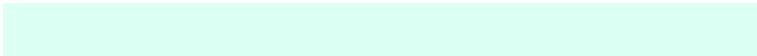
64.6133, 0.4055, 0.3507

Sweetspot

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



64.6159, 0.2699, 0.3719



93.5679, 0.2987, 0.3400



65.2463, 0.3280, 0.4576



19.8167, 0.2963, 0.3420



0.0000, 0.0000, 0.0000



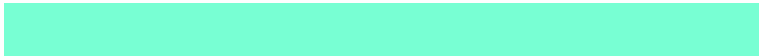
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6159, 0.2699, 0.3719



80.1977, 0.2636, 0.3828



57.4232, 0.2497, 0.3074



16.2521, 0.3025, 0.3368



33.4006, 0.2553, 0.4391



2.4851, 0.2503, 0.4210

Inverse Universe

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



34.6837, 0.3901, 0.2911



37.3374, 0.4157, 0.2841



38.4303, 0.4204, 0.3488



14.4453, 0.3241, 0.3213



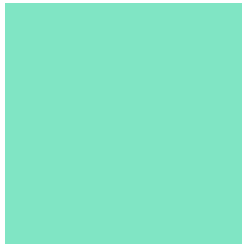
9.8330, 0.5659, 0.2891



0.7432, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 64.6133, 0.2699, 0.3719 looks on a white background.

Color Contrast Check

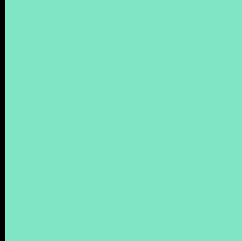
Large Text (above 18pt) WCAG AA × Fail

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 64.6133, 0.2699, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

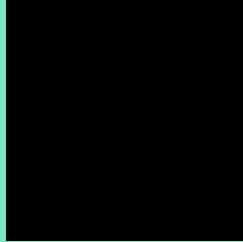
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6133, 0.2699, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 64.6133, 0.2699, 0.3719.

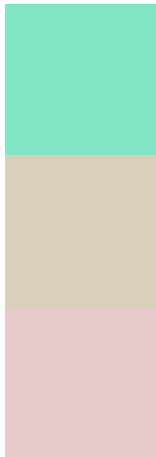


This preview shows how white text looks on a background with the Yxy color 64.6133, 0.2699, 0.3719.

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

64.6133, 0.2699, 0.3719

Protanopia

63.5200, 0.3370, 0.3554

Deuteranopia

63.6611, 0.3363, 0.3291



Tritanopia

64.7017, 0.2519, 0.3071

Trichromacy



Original Color

64.6133, 0.2699, 0.3719



Protanomaly

63.1001, 0.3083, 0.3619



Deuteranomaly

62.7264, 0.3076, 0.3433



Tritanomaly

64.5209, 0.2582, 0.3288

Monochromacy



Original Color

64.6133, 0.2699, 0.3719



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.2237, 0.2944, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6133, 0.2699, 0.3719 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(128, 229, 196)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 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(128, 229, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 196) }
```

Border

The CSS property to change the border of an element to Yxy 64.6133, 0.2699, 0.3719 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(128, 229, 196) }
```

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

```
.border{ border-color:rgb(128, 229, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 196);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6133, 0.2699, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 196) }
```

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

```
.background{ background-color: rgb(128,  
229, 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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