

Converting Colors

$Yxy(65.1128, 0.2478, 0.4042)$

Have a look what the booklet for
Yxy(65.1128, 0.2478, 0.4042)
contains.

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Color

Yxy(64.8858, 0.2479, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	1EEEE8
RGB	30, 238, 184
RGB Percent	12%, 93%, 72%
CMY	0.8811, 0.0667, 0.2785
CMYK	0.87, 0.00, 0.23, 0.07
HSL	164°, 86%, 53%
HSV	164°, 87%, 93%
XYZ	39.7656, 64.8858, 55.7585
YIQ	169.6520, -106.6340, -60.8900

Conversions

Conversions Part 2

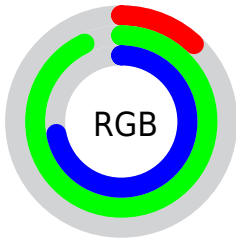
Format	Color
RYB	30, 150, 238
Decimal	2027192
CIELab	84.42, -58.90, 13.14
CIELCh	84, 60.352, 167.428
Yxy	64.8858, 0.2479, 0.4045
Android (android.graphics.Color)	4280217272 (0xFF1EEEB8)
YUV	169.6520, 7.0736, -122.4748
Hunter-Lab	80.5517, -52.8462, 15.3452

Details

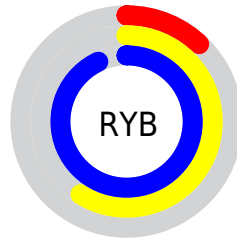
The Yxy color **64.8858, 0.2479, 0.4045** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **19.7670, 0.5539, 0.2932**, and the grayscale version is **40.0672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6628, 0.2501, 0.3464**, and **34.6864, 0.2503, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **64.3956, 0.2487, 0.4142**, and if you desaturate by 10%, it is **65.6604, 0.2489, 0.3947**.

Distribution



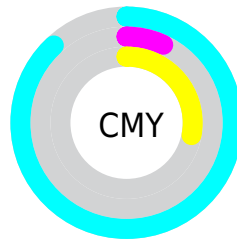
- Red (12%)
- Green (93%)
- Blue (72%)



- Red (12%)
- Yellow (59%)
- Blue (93%)



- Cyan (87%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)





- Cyan (88%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8858, 0.2479, 0.4045 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 64.8858, 0.2479, 0.4045 by changing the saturation by 10% instead.


 64.8858, 0.2479,
0.4045


 64.8858, 0.2479,
0.4045


442.3815, 0.2791,
0.3672


 47.3685, 0.2405,
0.4136


 111.8857, 0.2590,
0.3911

 33.3271, 0.2312,
0.4253


 142.1370, 0.2632,
0.3860


 22.3771, 0.2192,
0.4406


 177.4018, 0.2668,
0.3817

 14.1343, 0.2032,
0.4614

 218.0644, 0.2699,
0.3779

 8.2141, 0.1810,
0.4916

 264.5093, 0.2727,
0.3747

 4.2323, 0.1484,
0.5383

317.1209, 0.2751,

 1.8043, 0.0295,

0.3719

0.6671

376.2835, 0.2772,
0.3694

■ 0.4899, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8858, 0.2479,
0.4045

■ 64.8858, 0.2479,
0.4045

■ 64.3956, 0.2487,
0.4142


■ 65.6604, 0.2489,
0.3947

■ 64.2860, 0.2491,
0.4169


■ 66.7659, 0.2520,
0.3848


■ 68.2464, 0.2570,
0.3751

■ 70.1374, 0.2638,
0.3658

 72.4699, 0.2722,
0.3569

 75.2723, 0.2820,
0.3485

 78.5702, 0.2927,
0.3408

 82.3875, 0.3041,
0.3337

 86.7465, 0.3160,
0.3273

Harmonies

Analogous

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



64.8858, 0.3161, 0.4603



64.8858, 0.2479, 0.4045



64.8858, 0.2007, 0.3240

Triad

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



64.8858, 0.2479, 0.4045



64.8858, 0.2310, 0.2150



64.8858, 0.4626, 0.3714

Complementary

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



64.8858, 0.2479, 0.4045



19.7670, 0.5539, 0.2932

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.



64.8858, 0.4368, 0.3160



64.8858, 0.2479, 0.4045



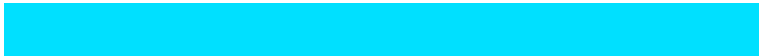
64.8858, 0.2943, 0.2310

Square

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



64.8858, 0.2479, 0.4045



64.8858, 0.1931, 0.2228



64.8858, 0.3717, 0.2667



64.8858, 0.4420, 0.4251

Rectangle

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



64.8858, 0.2479, 0.4045



64.8858, 0.1854, 0.2773



64.8858, 0.3717, 0.2667



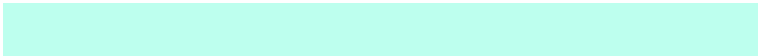
64.8858, 0.4593, 0.3527

Sweetspot

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



64.8883, 0.2479, 0.4045



88.4590, 0.2832, 0.3476



63.2076, 0.3163, 0.5775



18.6712, 0.2796, 0.3504



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.



64.8883, 0.2479, 0.4045



75.1795, 0.2492, 0.4172



43.0813, 0.2081, 0.2615



17.8546, 0.3016, 0.3352



35.8880, 0.2487, 0.4153



3.0017, 0.2451, 0.4025

Inverse Universe

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



19.7670, 0.5539, 0.2932



21.6573, 0.5944, 0.3048



23.8318, 0.5805, 0.3614



15.8263, 0.3252, 0.3229



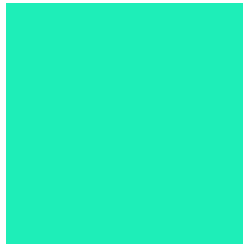
10.3525, 0.5897, 0.3022



0.8770, 0.5526, 0.2818

Previews

White Background



This preview shows how the Yxy color 64.8858, 0.2479, 0.4045 looks on a white background.

Color Contrast Check

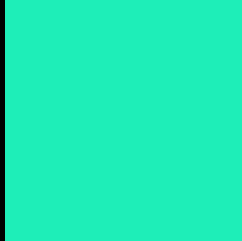
Large Text (above 18pt) WCAG AA × Fail

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 64.8858, 0.2479, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

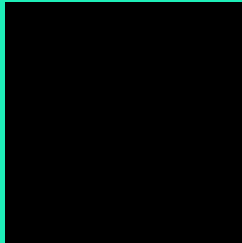
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8858, 0.2479, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 64.8858, 0.2479, 0.4045.

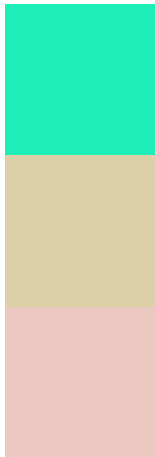


This preview shows how white text looks on a background with the Yxy color 64.8858, 0.2479, 0.4045.

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

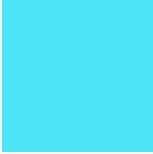
64.8858, 0.2479, 0.4045

Protanopia

63.3485, 0.3512, 0.3737

Deuteranopia

63.2412, 0.3466, 0.3390



Tritanopia

64.4782, 0.2280, 0.3050

Trichromacy



Original Color

64.8858, 0.2479, 0.4045



Protanomaly

60.3944, 0.2951, 0.3881



Deuteranomaly

59.3443, 0.2916, 0.3611



Tritanomaly

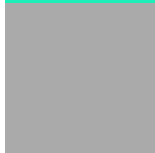
64.1416, 0.2338, 0.3380

Monochromacy



Original Color

64.8858, 0.2479, 0.4045



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.0473, 0.2713, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8858, 0.2479, 0.4045 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(30, 238, 184)` looks like.

```
.text, #text, p{  
    color:rgb(30, 238, 184)  
}
```

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(30, 238, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 238, 184) }
```

Border

The CSS property to change the border of an element to Yxy 64.8858, 0.2479, 0.4045 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(30, 238, 184) }
```

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

```
.border{ border-color:rgb(30, 238, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 238, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 238, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 238, 184);  
box-shadow:4px 4px 4px 4px rgb(30, 238,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8858, 0.2479, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 238, 184) }
```

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

```
.background{ background-color: rgb(30, 238,  
184) }
```

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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