

Converting Colors

$Yxy(64.7950, 0.2570, 0.4086)$

Have a look what the booklet for
Yxy(64.7950, 0.2570, 0.4086)
contains.

Yxy(64.5108, 0.2568, 0.4081)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.5108, 0.2568, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	45ECB3
RGB	69, 236, 179
RGB Percent	27%, 93%, 70%
CMY	0.7290, 0.0745, 0.2979
CMYK	0.71, 0.00, 0.24, 0.07
HSL	160°, 81%, 60%
HSV	160°, 71%, 93%
XYZ	40.5939, 64.5108, 52.9713
YIQ	179.5690, -81.2350, -53.1310

Conversions

Conversions Part 2

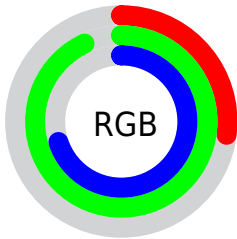
Format	Color
RYB	69, 170, 236
Decimal	4582579
CIELab	84.23, -55.49, 15.51
CIElCh	84, 57.618, 164.380
Yxy	64.5108, 0.2568, 0.4081
Android (android.graphics.Color)	4282772659 (0xFF45ECB3)
YUV	179.5690, -0.2805, -96.9690
Hunter-Lab	80.3186, -50.3417, 17.1204

Details

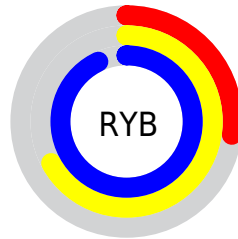
The Yxy color **64.5108, 0.2568, 0.4081** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **23.6113, 0.4693, 0.2736**, and the grayscale version is **45.4520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8365, 0.2596, 0.3521**, and **33.7466, 0.2522, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **63.4969, 0.2551, 0.4214**, and if you desaturate by 10%, it is **65.8919, 0.2605, 0.3949**.

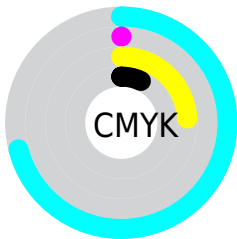
Distribution



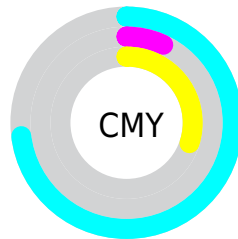
- Red (27%)
- Green (93%)
- Blue (70%)



- Red (27%)
- Yellow (67%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5108, 0.2568, 0.4081 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 64.5108, 0.2568, 0.4081 by changing the saturation by 10% instead.

 64.5108, 0.2568,
0.4081

 64.5108, 0.2568,
0.4081


441.0319, 0.2840,
0.3688


 47.0645, 0.2502,
0.4178


 111.3462, 0.2665,
0.3939


 33.0867, 0.2420,
0.4302


 141.5042, 0.2702,
0.3885

 22.1928, 0.2312,
0.4465


 176.6682, 0.2734,
0.3840

 13.9987, 0.2167,
0.4690

 217.2225, 0.2761,
0.3801

 8.1197, 0.1962,
0.5017

263.5517, 0.2785,
0.3767

 4.1717, 0.1653,
0.5530

316.0400, 0.2806,

 1.7700, 0.0561,

0.3737

0.6959

375.0720, 0.2824,
0.3711

■ 0.4684, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5108, 0.2568,
0.4081

■ 64.5108, 0.2568,
0.4081

■ 63.4969, 0.2551,
0.4214

■ 65.8919, 0.2605,
0.3949


■ 62.7990, 0.2555,
0.4346


■ 67.6693, 0.2660,
0.3822


■ 62.3692, 0.2574,
0.4466

■ 69.8774, 0.2732,
0.3700


■ 72.5450, 0.2817,
0.3585

 75.6981, 0.2912,
0.3480

 79.3611, 0.3014,
0.3383

 83.5563, 0.3120,
0.3296

 87.7483, 0.3208,
0.3217

 88.2471, 0.3157,
0.3140

Harmonies

Analogous

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



64.5108, 0.3236, 0.4567



64.5108, 0.2568, 0.4081



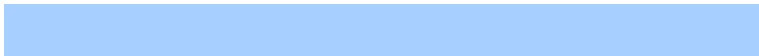
64.5108, 0.2085, 0.3322

Triad

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



64.5108, 0.2568, 0.4081



64.5108, 0.2294, 0.2189



64.5108, 0.4559, 0.3650

Complementary

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



64.5108, 0.2568, 0.4081



23.6113, 0.4693, 0.2736

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.



64.5108, 0.4265, 0.3117



64.5108, 0.2568, 0.4081



64.5108, 0.2882, 0.2320

Square

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



64.5108, 0.2568, 0.4081



64.5108, 0.1952, 0.2292



64.5108, 0.3618, 0.2649



64.5108, 0.4407, 0.4171

Rectangle

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



64.5108, 0.2568, 0.4081



64.5108, 0.1916, 0.2860



64.5108, 0.3618, 0.2649



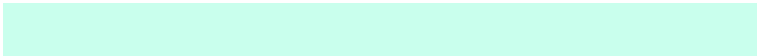
64.5108, 0.4510, 0.3469

Sweetspot

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



64.5134, 0.2568, 0.4081



90.0979, 0.2908, 0.3483



64.9718, 0.3299, 0.5371



19.0501, 0.2881, 0.3512



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.



64.5134, 0.2568, 0.4081



75.2731, 0.2551, 0.4275



53.8958, 0.2242, 0.2955



17.0294, 0.3027, 0.3372



34.4058, 0.2568, 0.4445



2.7196, 0.2518, 0.4265

Inverse Universe

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



23.6113, 0.4693, 0.2736



23.8377, 0.5197, 0.2760



26.2950, 0.5319, 0.3524



15.1389, 0.3239, 0.3210



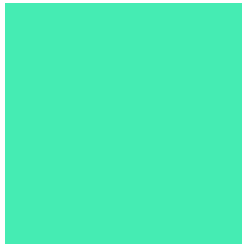
10.1755, 0.5607, 0.2862



0.8165, 0.5219, 0.2649

Previews

White Background



This preview shows how the Yxy color 64.5108, 0.2568, 0.4081 looks on a white background.

Color Contrast Check

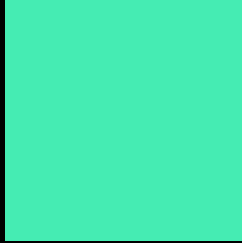
Large Text (above 18pt) WCAG AA × Fail

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 64.5108, 0.2568, 0.4081 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 64.5108, 0.2568, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 64.5108, 0.2568, 0.4081.

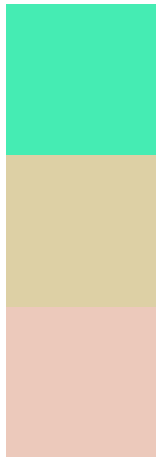


This preview shows how white text looks on a background with the Yxy color 64.5108, 0.2568, 0.4081.

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

64.5108, 0.2568, 0.4081

Protanopia

63.2005, 0.3542, 0.3783

Deuteranopia

63.1940, 0.3513, 0.3445



Tritanopia

64.2446, 0.2340, 0.3052

Trichromacy



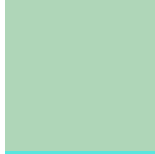
Original Color

64.5108, 0.2568, 0.4081



Protanomaly

61.1521, 0.3070, 0.3907



Deuteranomaly

60.6678, 0.3045, 0.3667



Tritanomaly

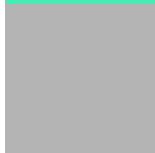
63.9423, 0.2414, 0.3392

Monochromacy



Original Color

64.5108, 0.2568, 0.4081



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.1793, 0.2823, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5108, 0.2568, 0.4081 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(69, 236, 179)` looks like.

```
.text, #text, p{  
    color:rgb(69, 236, 179)  
}
```

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(69, 236, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 236, 179) }
```

Border

The CSS property to change the border of an element to Yxy 64.5108, 0.2568, 0.4081 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(69, 236, 179) }
```

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

```
.border{ border-color:rgb(69, 236, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 236, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 236, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 236, 179);  
box-shadow:4px 4px 4px 4px rgb(69, 236,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5108, 0.2568, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 236, 179) }
```

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

```
.background{ background-color: rgb(69, 236,  
179) }
```

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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