

Converting Colors

$Y_{xy}(62.1994, 0.2562, 0.4060)$

Have a look what the booklet for
Yxy(62.1994, 0.2562, 0.4060)
contains.

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Color

Yxy(62.1165, 0.2564, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	44E8B1
RGB	68, 232, 177
RGB Percent	27%, 91%, 69%
CMY	0.7329, 0.0902, 0.3059
CMYK	0.71, 0.00, 0.24, 0.09
HSL	160°, 78%, 59%
HSV	160°, 71%, 91%
XYZ	39.1800, 62.1165, 51.5116
YIQ	176.6940, -80.0890, -51.8730

Conversions

Conversions Part 2

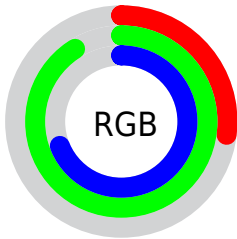
Format	Color
RYB	68, 167, 232
Decimal	4516017
CIELab	82.98, -54.50, 14.81
CIELCh	83, 56.477, 164.800
Yxy	62.1165, 0.2564, 0.4065
Android (android.graphics.Color)	4282706097 (0xFF44E8B1)
YUV	176.6940, 0.1509, -95.3246
Hunter-Lab	78.8140, -49.1887, 16.4188

Details

The Yxy color **62.1165, 0.2564, 0.4065** 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 **22.7349, 0.4703, 0.2746**, and the grayscale version is **43.8432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6374, 0.2601, 0.3545**, and **32.1152, 0.2517, 0.4262** is the 20% darker color. If you saturate the color by 10%, you get **61.1403, 0.2547, 0.4195**, and if you desaturate by 10%, it is **63.4453, 0.2602, 0.3936**.

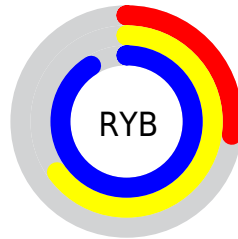
Distribution



Red (27%)

Green (91%)

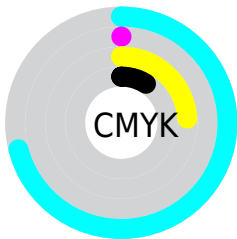
Blue (69%)



Red (27%)

Yellow (65%)

Blue (91%)

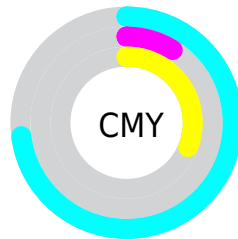


Cyan (71%)

Magenta (0%)

Yellow (24%)

Black (9%)



Cyan (73%)


Magenta (9%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1165, 0.2564, 0.4065 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 62.1165, 0.2564, 0.4065 by changing the saturation by 10% instead.


 62.1165, 0.2564,
0.4065

 62.1165, 0.2564,
0.4065

432.3559, 0.2840,
0.3678


 45.1268, 0.2497,
0.4161


 107.8939, 0.2663,
0.3924


 31.5573, 0.2413,
0.4285


 137.4504, 0.2700,
0.3872

 21.0236, 0.2303,
0.4448


 171.9647, 0.2732,
0.3827

 13.1413, 0.2154,
0.4673

 211.8211, 0.2760,
0.3788

 7.5259, 0.1941,
0.5003

257.4040, 0.2784,
0.3755

 3.7931, 0.1620,
0.5528

309.0978, 0.2805,

 1.5585, 0.0164,

0.3726

0.7344

367.2870, 0.2823,
0.3700

0.3294, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.1165, 0.2564,
0.4065

62.1165, 0.2564,
0.4065

61.1403, 0.2547,
0.4195

63.4453, 0.2602,
0.3936


60.4676, 0.2550,
0.4325

65.1543, 0.2658,
0.3811


60.0500, 0.2568,
0.4444


67.2767, 0.2730,
0.3691

69.8400, 0.2815,
0.3579

 72.8691, 0.2911,
0.3476

 76.3872, 0.3013,
0.3381

 80.4160, 0.3120,
0.3295

 84.9755, 0.3229,
0.3219

 85.6923, 0.3188,
0.3144

Harmonies

Analogous

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



62.1165, 0.3226, 0.4553



62.1165, 0.2564, 0.4065



62.1165, 0.2087, 0.3312

Triad

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



62.1165, 0.2564, 0.4065



62.1165, 0.2306, 0.2196



62.1165, 0.4549, 0.3656

Complementary

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



62.1165, 0.2564, 0.4065



22.7349, 0.4703, 0.2746

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.



62.1165, 0.4264, 0.3126



62.1165, 0.2564, 0.4065



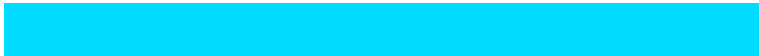
62.1165, 0.2894, 0.2330

Square

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



62.1165, 0.2564, 0.4065



62.1165, 0.1963, 0.2296



62.1165, 0.3625, 0.2659



62.1165, 0.4394, 0.4173

Rectangle

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



62.1165, 0.2564, 0.4065



62.1165, 0.1921, 0.2855



62.1165, 0.3625, 0.2659



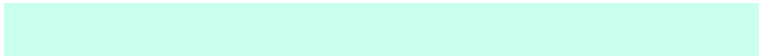
62.1165, 0.4503, 0.3477

Sweetspot

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



62.1190, 0.2564, 0.4065



90.1159, 0.2906, 0.3480



62.5262, 0.3299, 0.5368



19.0544, 0.2879, 0.3508



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.



62.1190, 0.2564, 0.4065



75.3245, 0.2546, 0.4258



51.8853, 0.2243, 0.2956



16.2498, 0.3026, 0.3370



33.3621, 0.2562, 0.4423



2.4825, 0.2510, 0.4237

Inverse Universe

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



22.7349, 0.4703, 0.2746



23.8100, 0.5217, 0.2772



25.3477, 0.5313, 0.3524



14.4474, 0.3240, 0.3211



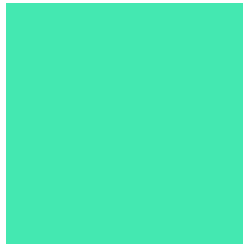
9.8496, 0.5626, 0.2873



0.7446, 0.5215, 0.2647

Previews

White Background



This preview shows how the Yxy color 62.1165, 0.2564, 0.4065 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 62.1165, 0.2564, 0.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

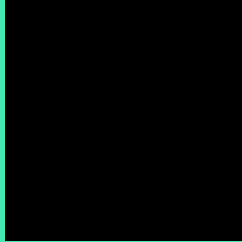
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

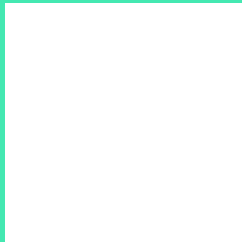
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.1165, 0.2564, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 62.1165, 0.2564, 0.4065.

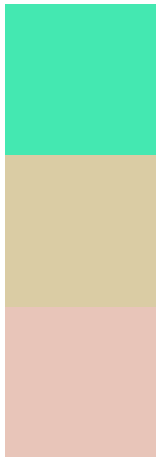


This preview shows how white text looks on a background with the Yxy color 62.1165, 0.2564, 0.4065.

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

62.1165, 0.2564, 0.4065

Protanopia

60.7715, 0.3535, 0.3756

Deuteranopia

60.5911, 0.3505, 0.3425



Tritanopia

61.7275, 0.2338, 0.3048

Trichromacy



Original Color

62.1165, 0.2564, 0.4065



Protanomaly

58.7442, 0.3057, 0.3878



Deuteranomaly

58.2412, 0.3037, 0.3647



Tritanomaly

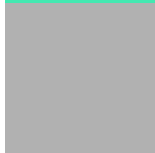
61.4331, 0.2414, 0.3394

Monochromacy



Original Color

62.1165, 0.2564, 0.4065



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.4252, 0.2819, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1165, 0.2564, 0.4065 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(68, 232, 177)` looks like.

```
.text, #text, p{  
    color:rgb(68, 232, 177)  
}
```

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(68, 232, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 232, 177) }
```

Border

The CSS property to change the border of an element to Yxy 62.1165, 0.2564, 0.4065 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(68, 232, 177) }
```

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

```
.border{ border-color:rgb(68, 232, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 232, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 232, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 232, 177);  
box-shadow:4px 4px 4px 4px rgb(68, 232,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1165, 0.2564, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 232, 177) }
```

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

```
.background{ background-color: rgb(68, 232,  
177) }
```

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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