

Converting Colors

$Yxy(48.0650, 0.2754, 0.4658)$

Have a look what the booklet for
Yxy(48.0650, 0.2754, 0.4658)
contains.

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Color

Yxy(48.0803, 0.2750, 0.4652)

Conversions

Conversions Part 1

Format	Color
Hex	3ED17C
RGB	62, 209, 124
RGB Percent	24%, 82%, 49%
CMY	0.7571, 0.1804, 0.5137
CMYK	0.70, 0.00, 0.41, 0.18
HSL	145°, 62%, 53%
HSV	145°, 70%, 82%
XYZ	28.4224, 48.0803, 26.8514
YIQ	155.3570, -60.3270, -57.5990

Conversions

Conversions Part 2

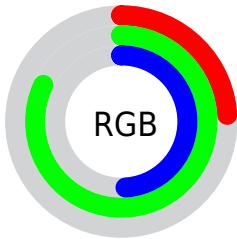
Format	Color
RYB	62, 165, 209
Decimal	4116860
CIELab	74.88, -57.35, 31.26
CIELCh	75, 65.315, 151.404
Yxy	48.0803, 0.2750, 0.4652
Android (android.graphics.Color)	4282306940 (0xFF3ED17C)
YUV	155.3570, -15.4590, -81.8741
Hunter-Lab	69.3400, -48.1780, 25.5784

Details

The Yxy color **48.0803, 0.2750, 0.4652** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **19.1003, 0.4064, 0.2332**, and the grayscale version is **33.0285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2064, 0.2823, 0.4264**, and **23.2769, 0.2733, 0.5037** is the 20% darker color. If you saturate the color by 10%, you get **47.2451, 0.2749, 0.4875**, and if you desaturate by 10%, it is **49.2165, 0.2770, 0.4425**.

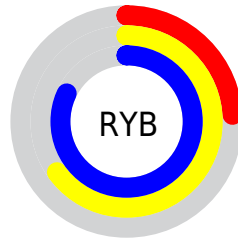
Distribution



Red (24%)

Green (82%)

Blue (49%)



Red (24%)

Yellow (65%)

Blue (82%)

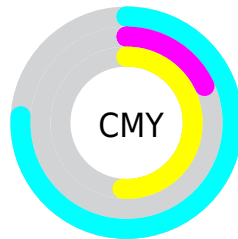


Cyan (70%)

Magenta (0%)

Yellow (41%)

Black (18%)



Cyan (76%)


Magenta (18%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0803, 0.2750, 0.4652 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 48.0803, 0.2750, 0.4652 by changing the saturation by 10% instead.


 48.0803, 0.2750,
0.4652


 48.0803, 0.2750,
0.4652


379.1103, 0.2965,
0.3923

 33.8905, 0.2687,
0.4848


 87.3240, 0.2835,
0.4376


 22.8095, 0.2601,
0.5107


 113.1466, 0.2865,
0.4276

 14.4529, 0.2478,
0.5463


 143.6156, 0.2889,
0.4193

 8.4363, 0.2288,
0.5977

 179.1154, 0.2909,
0.4122

 4.3754, 0.1974,
0.6768

 220.0304, 0.2927,
0.4062

 1.8857, 0.0806,
0.9194

266.7449, 0.2941,

 0.5398, 0.0000,

0.4009

1.0000

319.6434, 0.2954,
0.3964

■ 0.0000, 0.0000,
0.0000

■ 48.0803, 0.2750,
0.4652

■ 48.0803, 0.2750,
0.4652

■ 47.2451, 0.2749,
0.4875

■ 49.2165, 0.2770,
0.4425

■ 46.6719, 0.2767,
0.5087

■ 50.6757, 0.2806,
0.4202

■ 46.3126, 0.2798,
0.5274

■ 52.4846, 0.2856,
0.3989

■ 54.6652, 0.2915,
0.3790

■ 57.2377, 0.2982,
0.3607

60.2210, 0.3052,
0.3442

63.6325, 0.3125,
0.3295

67.4888, 0.3197,
0.3165

71.8055, 0.3267,
0.3050

Harmonies

Analogous

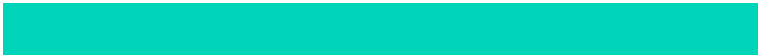
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0803, 0.3592, 0.4963



48.0803, 0.2750, 0.4652



48.0803, 0.2058, 0.3742

Triad

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



48.0803, 0.2750, 0.4652



48.0803, 0.1902, 0.1977



48.0803, 0.4821, 0.3402

Complementary

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



48.0803, 0.2750, 0.4652



19.1003, 0.4064, 0.2332

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.



48.0803, 0.4234, 0.2805



48.0803, 0.2750, 0.4652



48.0803, 0.2473, 0.2027

Square

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



48.0803, 0.2750, 0.4652



48.0803, 0.1640, 0.2214



48.0803, 0.3322, 0.2319



48.0803, 0.4837, 0.4042

Rectangle

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



48.0803, 0.2750, 0.4652



48.0803, 0.1769, 0.3088



48.0803, 0.3322, 0.2319



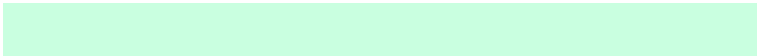
48.0803, 0.4683, 0.3196

Sweetspot

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



48.0822, 0.2750, 0.4652



89.3844, 0.2976, 0.3622



52.2226, 0.3555, 0.5181



18.8805, 0.2957, 0.3672



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.



48.0822, 0.2750, 0.4652



73.6312, 0.2755, 0.4975



50.6468, 0.2384, 0.3467



13.2879, 0.3059, 0.3427



28.5714, 0.2791, 0.5248



1.6132, 0.2689, 0.4880

Inverse Universe

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



19.1003, 0.4064, 0.2332



25.5345, 0.4352, 0.2278



17.4924, 0.5310, 0.3175



11.9212, 0.3201, 0.3156



9.2261, 0.4619, 0.2318



0.5315, 0.4291, 0.2138

Previews

White Background



This preview shows how the Yxy color 48.0803, 0.2750, 0.4652 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 48.0803, 0.2750, 0.4652 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 48.0803, 0.2750, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 48.0803, 0.2750, 0.4652.

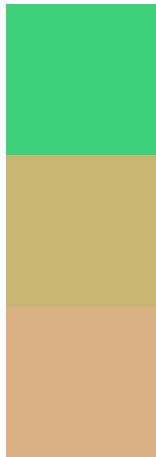


This preview shows how white text looks on a background with the Yxy color 48.0803, 0.2750, 0.4652.

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

48.0803, 0.2750, 0.4652

Protanopia

47.2240, 0.3835, 0.4161

Deuteranopia

47.0776, 0.3893, 0.3810



Tritanopia

47.6761, 0.2381, 0.3064

Trichromacy



Original Color

48.0803, 0.2750, 0.4652



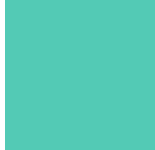
Protanomaly

45.3968, 0.3319, 0.4365



Deuteranomaly

44.7027, 0.3354, 0.4116



Tritanomaly

47.4163, 0.2510, 0.3604

Monochromacy



Original Color

48.0803, 0.2750, 0.4652



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.7385, 0.2913, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0803, 0.2750, 0.4652 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(62, 209, 124)` looks like.

```
.text, #text, p{  
    color:rgb(62, 209, 124)  
}
```

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(62, 209, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 209, 124) }
```

Border

The CSS property to change the border of an element to Yxy 48.0803, 0.2750, 0.4652 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(62, 209, 124) }
```

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

```
.border{ border-color:rgb(62, 209, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 209, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 209, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 209, 124);  
box-shadow:4px 4px 4px 4px rgb(62, 209,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0803, 0.2750, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 209, 124) }
```

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

```
.background{ background-color: rgb(62, 209,  
124) }
```

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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