

Converting Colors

$Y_{xy}(45.2439, 0.2731, 0.4920)$

Have a look what the booklet for
Yxy(45.2439, 0.2731, 0.4920)
contains.

Yxy(45.4583, 0.2733, 0.4924)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.4583, 0.2733, 0.4924)

Conversions

Conversions Part 1

Format	Color
Hex	1BCE6C
RGB	27, 206, 108
RGB Percent	11%, 81%, 42%
CMY	0.8939, 0.1921, 0.5765
CMYK	0.87, 0.00, 0.48, 0.19
HSL	147°, 77%, 46%
HSV	147°, 87%, 81%
XYZ	25.2310, 45.4583, 21.6305
YIQ	141.3070, -75.2260, -68.4260

Conversions

Conversions Part 2

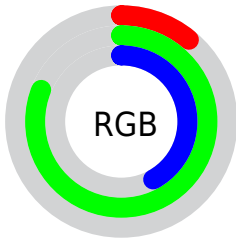
Format	Color
RYB	27, 150, 206
Decimal	1822316
CIELab	73.19, -63.11, 37.08
CIElCh	73, 73.196, 149.562
Yxy	45.4583, 0.2733, 0.4924
Android (android.graphics.Color)	4280012396 (0xFF1BCE6C)
YUV	141.3070, -16.4204, -100.2472
Hunter-Lab	67.4228, -51.1914, 28.1745

Details

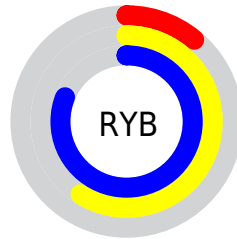
The Yxy color **45.4583, 0.2733, 0.4924** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.3914, 0.4493, 0.2340**, and the grayscale version is **26.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2814, 0.2817, 0.4500**, and **22.1182, 0.2816, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **45.0431, 0.2761, 0.5119**, and if you desaturate by 10%, it is **46.1025, 0.2723, 0.4716**.

Distribution



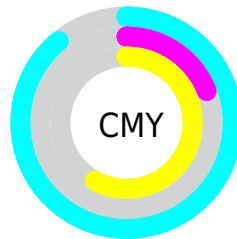
- Red (11%)
- Green (81%)
- Blue (42%)



- Red (11%)
- Yellow (59%)
- Blue (81%)



- Cyan (87%)
- Magenta (0%)
- Yellow (48%)
- Black (19%)




- Cyan (89%)
- Magenta (19%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4583, 0.2733, 0.4924 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 45.4583, 0.2733, 0.4924 by changing the saturation by 10% instead.


 45.4583, 0.2733,
0.4924


 45.4583, 0.2733,
0.4924


368.6265, 0.2970,
0.4036


 31.8186, 0.2659,
0.5166


 83.4077, 0.2830,
0.4585


 21.2230, 0.2556,
0.5488


 108.4862, 0.2863,
0.4463

 13.2871, 0.2403,
0.5930


 138.1464, 0.2889,
0.4361

 7.6265, 0.2162,
0.6564

 172.7726, 0.2911,
0.4275

 3.8569, 0.1816,
0.7774

 212.7494, 0.2930,
0.4202

 1.5938, 0.0000,
1.0000

258.4610, 0.2945,

 0.3534, 0.0000,

0.4139

1.0000

310.2919, 0.2959,
0.4084

■ 0.0000, 0.0000,
0.0000

■ 45.4583, 0.2733,
0.4924

■ 45.4583, 0.2733,
0.4924

■ 45.0431, 0.2761,
0.5119

■ 46.1025, 0.2723,
0.4716

■ 44.9370, 0.2772,
0.5177

■ 47.0090, 0.2733,
0.4501

■ 48.2091, 0.2761,
0.4287

■ 49.7286, 0.2805,
0.4079

■ 51.5898, 0.2862,
0.3882

■ 53.8135, 0.2927,
0.3700

■ 56.4183, 0.2999,
0.3533

■ 59.4218, 0.3075,
0.3383

■ 62.8404, 0.3151,
0.3250

Harmonies

Analogous

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



45.4583, 0.3671, 0.5192



45.4583, 0.2733, 0.4924



45.4583, 0.1954, 0.3874

Triad

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



45.4583, 0.2733, 0.4924



45.4583, 0.1737, 0.1836



45.4583, 0.5029, 0.3341

Complementary

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



45.4583, 0.2733, 0.4924



15.3914, 0.4493, 0.2340

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.



45.4583, 0.4328, 0.2700



45.4583, 0.2733, 0.4924



45.4583, 0.2338, 0.1879

Square

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



45.4583, 0.2733, 0.4924



45.4583, 0.1474, 0.2103



45.4583, 0.3273, 0.2183



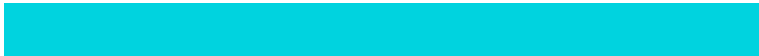
45.4583, 0.5060, 0.4039

Rectangle

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



45.4583, 0.2733, 0.4924



45.4583, 0.1630, 0.3104



45.4583, 0.3273, 0.2183



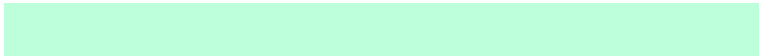
45.4583, 0.4863, 0.3119

Sweetspot

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



45.4601, 0.2733, 0.4924



87.3985, 0.2931, 0.3690



48.6192, 0.3491, 0.5511



18.4192, 0.2907, 0.3752



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.



45.4601, 0.2733, 0.4924



72.7656, 0.2778, 0.5199



48.4112, 0.2305, 0.3421



12.6199, 0.3055, 0.3420



27.6892, 0.2764, 0.5150



1.4437, 0.2658, 0.4769

Inverse Universe

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



15.3914, 0.4493, 0.2340



23.1435, 0.4795, 0.2415



14.0364, 0.6057, 0.3249



11.3148, 0.3206, 0.3164



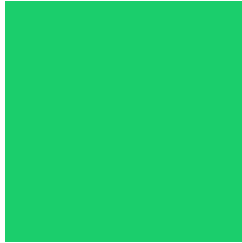
8.8316, 0.4742, 0.2386



0.4708, 0.4363, 0.2177

Previews

White Background



This preview shows how the Yxy color 45.4583, 0.2733, 0.4924 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 45.4583, 0.2733, 0.4924 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 45.4583, 0.2733, 0.4924

Background



This preview shows how black text looks on a background with the Yxy color 45.4583, 0.2733, 0.4924.



This preview shows how white text looks on a background with the Yxy color 45.4583, 0.2733, 0.4924.

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

45.4583, 0.2733, 0.4924

Protanopia

44.4584, 0.3957, 0.4303

Deuteranopia

44.3299, 0.4023, 0.3935



Tritanopia

45.4327, 0.2336, 0.3072

Trichromacy



Original Color

45.4583, 0.2733, 0.4924



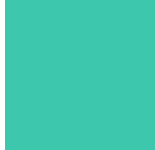
Protanomaly

42.0766, 0.3318, 0.4596



Deuteranomaly

41.1929, 0.3343, 0.4326



Tritanomaly

44.8561, 0.2463, 0.3696

Monochromacy



Original Color

45.4583, 0.2733, 0.4924



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.2046, 0.2853, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4583, 0.2733, 0.4924 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(27, 206, 108)` looks like.

```
.text, #text, p{  
    color:rgb(27, 206, 108)  
}
```

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(27, 206, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 206, 108) }
```

Border

The CSS property to change the border of an element to Yxy 45.4583, 0.2733, 0.4924 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(27, 206, 108) }
```

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

```
.border{ border-color:rgb(27, 206, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 206, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 206, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 206, 108);  
box-shadow:4px 4px 4px 4px rgb(27, 206,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4583, 0.2733, 0.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 206, 108) }
```

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

```
.background{ background-color: rgb(27, 206,  
108) }
```

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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