

Converting Colors

$Y_{xy}(45.5566, 0.2818, 0.5162)$

Have a look what the booklet for
Yxy(45.5566, 0.2818, 0.5162)
contains.

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Color

Yxy(45.7733, 0.2819, 0.5165)

Conversions

Conversions Part 1

Format	Color
Hex	23CF5D
RGB	35, 207, 93
RGB Percent	14%, 81%, 36%
CMY	0.8624, 0.1882, 0.6354
CMYK	0.83, 0.00, 0.55, 0.19
HSL	140°, 71%, 47%
HSV	140°, 83%, 81%
XYZ	24.9826, 45.7733, 17.8662
YIQ	142.5760, -65.9180, -71.9180

Conversions

Conversions Part 2

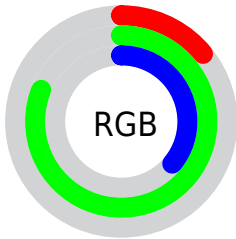
Format	Color
RYB	35, 164, 207
Decimal	2346845
CIELab	73.40, -65.05, 44.64
CIELCh	73, 78.897, 145.541
Yxy	45.7733, 0.2819, 0.5165
Android (android.graphics.Color)	4280536925 (0xFF23CF5D)
YUV	142.5760, -24.4410, -94.3442
Hunter-Lab	67.6560, -52.4852, 31.7022

Details

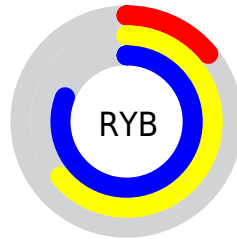
The Yxy color **45.7733, 0.2819, 0.5165** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted green. A complement of this color would be **16.6464, 0.4050, 0.2122**, and the grayscale version is **27.4186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0401, 0.2900, 0.4691**, and **22.2933, 0.2899, 0.5636** is the 20% darker color. If you saturate the color by 10%, you get **45.2911, 0.2843, 0.5383**, and if you desaturate by 10%, it is **46.5164, 0.2812, 0.4923**.

Distribution



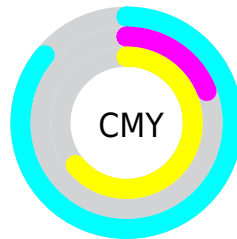
- Red (14%)
- Green (81%)
- Blue (36%)



- Red (14%)
- Yellow (64%)
- Blue (81%)



- Cyan (83%)
- Magenta (0%)
- Yellow (55%)
- Black (19%)




- Cyan (86%)
- Magenta (19%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7733, 0.2819, 0.5165 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 45.7733, 0.2819, 0.5165 by changing the saturation by 10% instead.


 45.7733, 0.2819,
0.5165

 45.7733, 0.2819,
0.5165


369.8965, 0.3027,
0.4145


 32.0670, 0.2747,
0.5440


 83.8796, 0.2909,
0.4778


 21.4127, 0.2642,
0.5801


 109.0484, 0.2938,
0.4637


 13.4260, 0.2481,
0.6290


 138.8068, 0.2961,
0.4520

 7.7225, 0.2218,
0.6966

 173.5391, 0.2980,
0.4421

 3.9179, 0.1825,
0.8175

 213.6299, 0.2995,
0.4337

 1.6278, 0.0000,
1.0000


259.4635, 0.3007,

 0.3762, 0.0000,


0.4264


1.0000


311.4242, 0.3018,
0.4201

 0.0000, 0.0000,
0.0000


 45.7733, 0.2819,
0.5165


 45.7733, 0.2819,
0.5165

 45.2911, 0.2843,
0.5383


 46.5164, 0.2812,
0.4923

 45.0650, 0.2866,
0.5517

 47.5496, 0.2822,
0.4668

 48.9039, 0.2848,
0.4411

 50.6048, 0.2887,
0.4162

 52.6751, 0.2935,
0.3927

■ 55.1357, 0.2990,
0.3710

■ 58.0059, 0.3049,
0.3514

■ 61.3035, 0.3109,
0.3339

■ 65.0455, 0.3169,
0.3185

Harmonies

Analogous

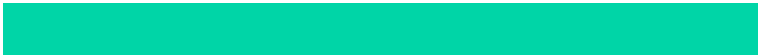
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.7733, 0.3811, 0.5291



45.7733, 0.2819, 0.5165



45.7733, 0.1961, 0.4093

Triad

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



45.7733, 0.2819, 0.5165



45.7733, 0.1601, 0.1768



45.7733, 0.5105, 0.3230

Complementary

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



45.7733, 0.2819, 0.5165



16.6464, 0.4050, 0.2122

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.



45.7733, 0.4273, 0.2575



45.7733, 0.2819, 0.5165



45.7733, 0.2177, 0.1777

Square

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



45.7733, 0.2819, 0.5165



45.7733, 0.1372, 0.2089



45.7733, 0.3127, 0.2061



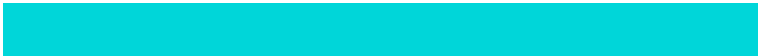
45.7733, 0.5218, 0.3951

Rectangle

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



45.7733, 0.2819, 0.5165



45.7733, 0.1590, 0.3233



45.7733, 0.3127, 0.2061



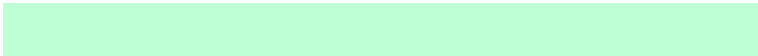
45.7733, 0.4897, 0.3002

Sweetspot

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



45.7752, 0.2819, 0.5165



87.4184, 0.2978, 0.3757



51.2037, 0.3661, 0.5335



18.4063, 0.2958, 0.3833



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.



45.7752, 0.2819, 0.5165



72.1896, 0.2872, 0.5538



48.2138, 0.2404, 0.3730



13.2710, 0.3071, 0.3448



28.4082, 0.2859, 0.5492



1.6031, 0.2753, 0.5111

Inverse Universe

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



16.6464, 0.4050, 0.2122



24.1299, 0.4313, 0.2150



14.8399, 0.5639, 0.3070



11.9386, 0.3188, 0.3137



9.5195, 0.4278, 0.2130



0.5467, 0.4033, 0.1996

Previews

White Background



This preview shows how the Yxy color 45.7733, 0.2819, 0.5165 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 45.7733, 0.2819, 0.5165 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 45.7733, 0.2819, 0.5165

Background



This preview shows how black text looks on a background with the Yxy color 45.7733, 0.2819, 0.5165.



This preview shows how white text looks on a background with the Yxy color 45.7733, 0.2819, 0.5165.

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

45.7733, 0.2819, 0.5165

Protanopia

44.8861, 0.4069, 0.4454

Deuteranopia

44.4804, 0.4171, 0.4083



Tritanopia

45.7096, 0.2358, 0.3073

Trichromacy



Original Color

45.7733, 0.2819, 0.5165



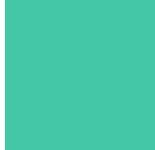
Protanomaly

42.5723, 0.3444, 0.4796



Deuteranomaly

41.3471, 0.3496, 0.4524



Tritanomaly

44.8658, 0.2518, 0.3793

Monochromacy



Original Color

45.7733, 0.2819, 0.5165



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.6962, 0.2916, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7733, 0.2819, 0.5165 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(35, 207, 93)` looks like.

```
.text, #text, p{  
    color:rgb(35, 207, 93)  
}
```

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(35, 207, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 207, 93) }
```

Border

The CSS property to change the border of an element to Yxy 45.7733, 0.2819, 0.5165 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(35, 207, 93) }
```

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

```
.border{ border-color:rgb(35, 207, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 207, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 207, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 207, 93);  
box-shadow:4px 4px 4px 4px rgb(35, 207,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7733, 0.2819, 0.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 207, 93) }
```

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

```
.background{ background-color: rgb(35, 207,  
93) }
```

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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