

Converting Colors

$Yxy(45.1644, 0.2848, 0.5228)$

Have a look what the booklet for
Yxy(45.1644, 0.2848, 0.5228)
contains.

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Color

Yxy(45.2785, 0.2848, 0.5227)

Conversions

Conversions Part 1

Format	Color
Hex	27CE58
RGB	39, 206, 88
RGB Percent	15%, 81%, 35%
CMY	0.8470, 0.1921, 0.6548
CMYK	0.81, 0.00, 0.57, 0.19
HSL	138°, 68%, 48%
HSV	138°, 81%, 81%
XYZ	24.6706, 45.2785, 16.6752
YIQ	142.6150, -61.6540, -72.1020

Conversions

Conversions Part 2

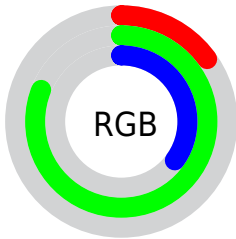
Format	Color
RYB	39, 168, 206
Decimal	2608728
CIELab	73.07, -65.00, 46.57
CIElCh	73, 79.961, 144.377
Yxy	45.2785, 0.2848, 0.5227
Android (android.graphics.Color)	4280798808 (0xFF27CE58)
YUV	142.6150, -26.9252, -90.8704
Hunter-Lab	67.2893, -52.3120, 32.4097

Details

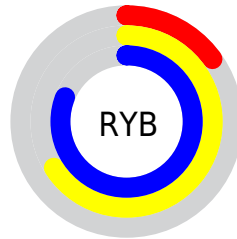
The Yxy color **45.2785, 0.2848, 0.5227** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted green. A complement of this color would be **17.0094, 0.3899, 0.2055**, and the grayscale version is **27.4387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0205, 0.2931, 0.4752**, and **21.9340, 0.2921, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **44.7636, 0.2868, 0.5453**, and if you desaturate by 10%, it is **46.0634, 0.2844, 0.4973**.

Distribution



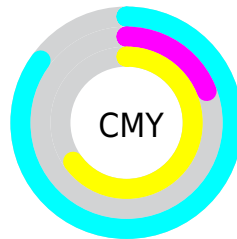
- Red (15%)
- Green (81%)
- Blue (35%)



- Red (15%)
- Yellow (66%)
- Blue (81%)



- Cyan (81%)
- Magenta (0%)
- Yellow (57%)
- Black (19%)



- Cyan (85%)
- Magenta (19%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2785, 0.2848, 0.5227 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 45.2785, 0.2848, 0.5227 by changing the saturation by 10% instead.


 45.2785, 0.2848,
0.5227


 45.2785, 0.2848,
0.5227


367.9003, 0.3046,
0.4172


 31.6768, 0.2776,
0.5511


 83.1382, 0.2936,
0.4826

 21.1148, 0.2671,
0.5883


 108.1650, 0.2964,
0.4681


 13.2079, 0.2506,
0.6383


 137.7690, 0.2986,
0.4560

 7.5719, 0.2237,
0.7080

 172.3345, 0.3003,
0.4458

 3.8223, 0.1804,
0.8196

 212.2460, 0.3017,
0.4371

 1.5746, 0.0000,
1.0000

257.8879, 0.3028,


 0.3404, 0.0000,


0.4296


1.0000


309.6445, 0.3038,
0.4230


 0.0000, 0.0000,
0.0000

 45.2785, 0.2848,
0.5227


 45.2785, 0.2848,
0.5227


 44.7636, 0.2868,
0.5453


 46.0634, 0.2844,
0.4973


 44.4746, 0.2895,
0.5623


 47.1464, 0.2855,
0.4704


 48.5577, 0.2881,
0.4433


 50.3223, 0.2918,
0.4169

 52.4628, 0.2964,
0.3922

 54.9998, 0.3014,
0.3695

 57.9525, 0.3068,
0.3490

 61.3385, 0.3121,
0.3308

 65.1748, 0.3175,
0.3148

Harmonies

Analogous

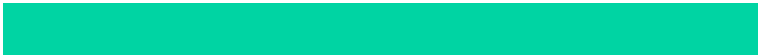
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.2785, 0.3852, 0.5308



45.2785, 0.2848, 0.5227



45.2785, 0.1970, 0.4160

Triad

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



45.2785, 0.2848, 0.5227



45.2785, 0.1567, 0.1753



45.2785, 0.5118, 0.3198

Complementary

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



45.2785, 0.2848, 0.5227



17.0094, 0.3899, 0.2055

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.



45.2785, 0.4248, 0.2540



45.2785, 0.2848, 0.5227



45.2785, 0.2133, 0.1753

Square

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



45.2785, 0.2848, 0.5227



45.2785, 0.1348, 0.2090



45.2785, 0.3082, 0.2029



45.2785, 0.5257, 0.3923

Rectangle

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



45.2785, 0.2848, 0.5227



45.2785, 0.1584, 0.3277



45.2785, 0.3082, 0.2029



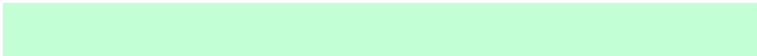
45.2785, 0.4897, 0.2969

Sweetspot

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



45.2804, 0.2848, 0.5227



87.7041, 0.2998, 0.3766



51.6298, 0.3733, 0.5254



18.4552, 0.2979, 0.3848



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.



45.2804, 0.2848, 0.5227



72.1519, 0.2891, 0.5591



47.4711, 0.2448, 0.3855



12.5902, 0.3077, 0.3458



27.4003, 0.2888, 0.5598



1.4269, 0.2776, 0.5192

Inverse Universe

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



17.0094, 0.3899, 0.2055



24.8210, 0.4107, 0.2047



15.0856, 0.5416, 0.2975



11.3455, 0.3182, 0.3128



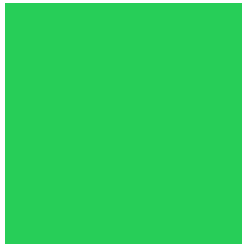
9.3671, 0.4112, 0.2039



0.4961, 0.3896, 0.1920

Previews

White Background



This preview shows how the Yxy color 45.2785, 0.2848, 0.5227 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 45.2785, 0.2848, 0.5227 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 45.2785, 0.2848, 0.5227

Background



This preview shows how black text looks on a background with the Yxy color 45.2785, 0.2848, 0.5227.



This preview shows how white text looks on a background with the Yxy color 45.2785, 0.2848, 0.5227.

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

45.2785, 0.2848, 0.5227

Protanopia

44.2756, 0.4099, 0.4497

Deuteranopia

44.0095, 0.4218, 0.4125



Tritanopia

44.8181, 0.2361, 0.3058

Trichromacy



Original Color

45.2785, 0.2848, 0.5227



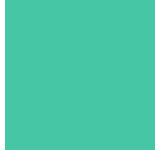
Protanomaly

42.1511, 0.3486, 0.4845



Deuteranomaly

40.9394, 0.3543, 0.4576



Tritanomaly

44.4069, 0.2532, 0.3811

Monochromacy



Original Color

45.2785, 0.2848, 0.5227



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.7058, 0.2939, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2785, 0.2848, 0.5227 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(39, 206, 88)` looks like.

```
.text, #text, p{  
    color:rgb(39, 206, 88)  
}
```

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(39, 206, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 206, 88) }
```

Border

The CSS property to change the border of an element to Yxy 45.2785, 0.2848, 0.5227 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(39, 206, 88) }
```

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

```
.border{ border-color:rgb(39, 206, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 206, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 206, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 206, 88);  
box-shadow:4px 4px 4px 4px rgb(39, 206,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2785, 0.2848, 0.5227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 206, 88) }
```

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

```
.background{ background-color: rgb(39, 206,  
88) }
```

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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