

Converting Colors

$Yxy(45.3997, 0.2790, 0.4768)$

Have a look what the booklet for
Yxy(45.3997, 0.2790, 0.4768)
contains.

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Color

Yxy(45.3927, 0.2788, 0.4767)

Conversions

Conversions Part 1

Format	Color
Hex	3DCC72
RGB	61, 204, 114
RGB Percent	24%, 80%, 45%
CMY	0.7613, 0.1999, 0.5529
CMYK	0.70, 0.00, 0.44, 0.20
HSL	142°, 58%, 52%
HSV	142°, 70%, 80%
XYZ	26.5481, 45.3927, 23.2820
YIQ	150.9830, -56.3380, -58.3060

Conversions

Conversions Part 2

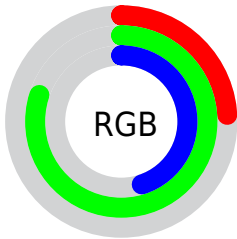
Format	Color
RYB	61, 165, 204
Decimal	4050034
CIELab	73.15, -57.43, 34.11
CIELCh	73, 66.793, 149.290
Yxy	45.3927, 0.2788, 0.4767
Android (android.graphics.Color)	4282240114 (0xFF3DCC72)
YUV	150.9830, -18.2326, -78.9151
Hunter-Lab	67.3741, -47.5685, 26.6735

Details

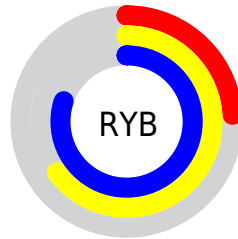
The Yxy color **45.3927, 0.2788, 0.4767** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **18.3920, 0.3938, 0.2254**, and the grayscale version is **31.0217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7456, 0.2866, 0.4396**, and **21.5500, 0.2777, 0.5197** is the 20% darker color. If you saturate the color by 10%, you get **44.5953, 0.2789, 0.5005**, and if you desaturate by 10%, it is **46.4807, 0.2805, 0.4522**.

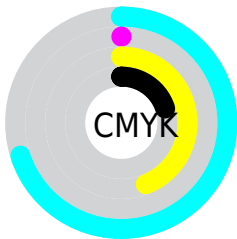
Distribution



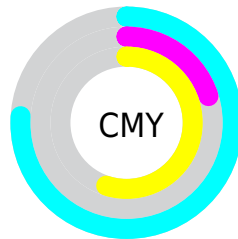
- Red (24%)
- Green (80%)
- Blue (45%)



- Red (24%)
- Yellow (65%)
- Blue (80%)



- Cyan (70%)
- Magenta (0%)
- Yellow (44%)
- Black (20%)




- Cyan (76%)
- Magenta (20%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3927, 0.2788, 0.4767 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 45.3927, 0.2788, 0.4767 by changing the saturation by 10% instead.


 45.3927, 0.2788,
0.4767

 45.3927, 0.2788,
0.4767


368.3617, 0.2991,
0.3968

 31.7669, 0.2725,
0.4985


 83.3094, 0.2870,
0.4463

 21.1835, 0.2637,
0.5273


 108.3690, 0.2899,
0.4353

 13.2582, 0.2507,
0.5672


 138.0087, 0.2922,
0.4261

 7.6066, 0.2300,
0.6249

 172.6128, 0.2940,
0.4184

 3.8443, 0.1980,
0.7255

 212.5658, 0.2956,
0.4118

 1.5868, 0.0000,
1.0000

258.2520, 0.2970,

 0.3487, 0.0000,

0.4061


1.0000


310.0558, 0.2981,
0.4012


 0.0000, 0.0000,
0.0000

 45.3927, 0.2788,
0.4767


 45.3927, 0.2788,
0.4767


 44.5953, 0.2789,
0.5005


 46.4807, 0.2805,
0.4522


 44.0516, 0.2808,
0.5227

 47.8804, 0.2838,
0.4280

 43.7100, 0.2839,
0.5422

 49.6172, 0.2883,
0.4048

 51.7120, 0.2937,
0.3830

 54.1845, 0.2997,
0.3632

■ 57.0524, 0.3061,
0.3452

■ 60.3326, 0.3126,
0.3293

■ 64.0408, 0.3191,
0.3151

■ 68.1921, 0.3253,
0.3028

Harmonies

Analogous

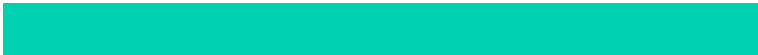
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3927, 0.3661, 0.5028



45.3927, 0.2788, 0.4767



45.3927, 0.2056, 0.3835

Triad

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



45.3927, 0.2788, 0.4767



45.3927, 0.1831, 0.1939



45.3927, 0.4866, 0.3352

Complementary

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



45.3927, 0.2788, 0.4767



18.3920, 0.3938, 0.2254

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.



45.3927, 0.4219, 0.2744



45.3927, 0.2788, 0.4767



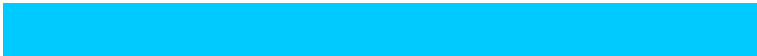
45.3927, 0.2395, 0.1973

Square

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



45.3927, 0.2788, 0.4767



45.3927, 0.1584, 0.2202



45.3927, 0.3258, 0.2257



45.3927, 0.4918, 0.4009

Rectangle

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



45.3927, 0.2788, 0.4767



45.3927, 0.1744, 0.3141



45.3927, 0.3258, 0.2257



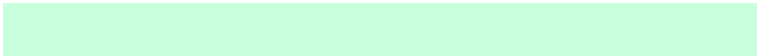
45.3927, 0.4710, 0.3141

Sweetspot

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



45.3945, 0.2788, 0.4767



89.2380, 0.2991, 0.3653



50.1569, 0.3614, 0.5135



18.8459, 0.2973, 0.3707



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.



45.3945, 0.2788, 0.4767



73.3511, 0.2796, 0.5117



47.6793, 0.2420, 0.3577



12.6047, 0.3066, 0.3439



27.5243, 0.2832, 0.5396



1.4345, 0.2720, 0.4990

Inverse Universe

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



18.3920, 0.3938, 0.2254



25.9463, 0.4188, 0.2181



16.7403, 0.5179, 0.3095



11.3303, 0.3194, 0.3145



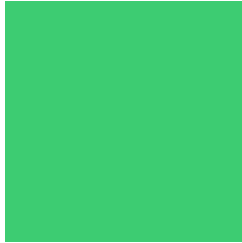
9.0839, 0.4412, 0.2204



0.4830, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 45.3927, 0.2788, 0.4767 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 45.3927, 0.2788, 0.4767 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 45.3927, 0.2788, 0.4767

Background



This preview shows how black text looks on a background with the Yxy color 45.3927, 0.2788, 0.4767.



This preview shows how white text looks on a background with the Yxy color 45.3927, 0.2788, 0.4767.

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

45.3927, 0.2788, 0.4767

Protanopia

44.4424, 0.3902, 0.4237

Deuteranopia

44.3007, 0.3969, 0.3879



Tritanopia

45.1231, 0.2386, 0.3059

Trichromacy



Original Color

45.3927, 0.2788, 0.4767



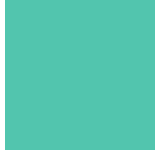
Protanomaly

42.7343, 0.3375, 0.4461



Deuteranomaly

42.0569, 0.3416, 0.4206



Tritanomaly

44.7823, 0.2529, 0.3643

Monochromacy



Original Color

45.3927, 0.2788, 0.4767



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.4360, 0.2932, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3927, 0.2788, 0.4767 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(61, 204, 114)` looks like.

```
.text, #text, p{  
    color:rgb(61, 204, 114)  
}
```

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(61, 204, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 114) }
```

Border

The CSS property to change the border of an element to Yxy 45.3927, 0.2788, 0.4767 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(61, 204, 114) }
```

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

```
.border{ border-color:rgb(61, 204, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 204, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 204, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 204, 114);  
box-shadow:4px 4px 4px 4px rgb(61, 204,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3927, 0.2788, 0.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 114) }
```

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

```
.background{ background-color: rgb(61, 204,  
114) }
```

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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