

Converting Colors

$Y_{xy}(45.6094, 0.3214, 0.5510)$

Have a look what the booklet for
Yxy(45.6094, 0.3214, 0.5510)
contains.

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Color

Yxy(45.7519, 0.3217, 0.5511)

Conversions

Conversions Part 1

Format	Color
Hex	5DCC33
RGB	93, 204, 51
RGB Percent	36%, 80%, 20%
CMY	0.6352, 0.2000, 0.7998
CMYK	0.54, 0.00, 0.75, 0.20
HSL	104°, 60%, 50%
HSV	104°, 75%, 80%
XYZ	26.7073, 45.7519, 10.5600
YIQ	153.3690, -17.0430, -71.1150

Conversions

Conversions Part 2

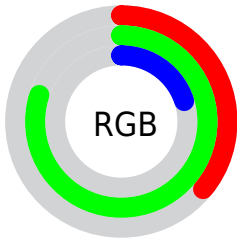
Format	Color
RYB	51, 204, 162
Decimal	6147123
CIELab	73.38, -57.79, 62.22
CIELCh	73, 84.915, 132.883
Yxy	45.7519, 0.3217, 0.5511
Android (android.graphics.Color)	4284337203 (0xFF5DCC33)
YUV	153.3690, -50.4679, -52.9436
Hunter-Lab	67.6402, -47.8907, 38.0917

Details

The Yxy color **45.7519, 0.3217, 0.5511** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **14.4150, 0.2702, 0.1443**, and the grayscale version is **32.2604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3750, 0.3271, 0.5031**, and **21.5883, 0.3027, 0.5979** is the 20% darker color. If you saturate the color by 10%, you get **44.9122, 0.3183, 0.5719**, and if you desaturate by 10%, it is **46.8239, 0.3238, 0.5244**.

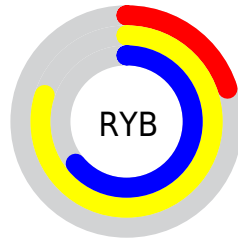
Distribution



Red (36%)

Green (80%)

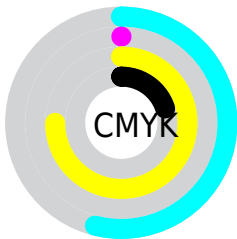
Blue (20%)



Red (20%)

Yellow (80%)

Blue (64%)

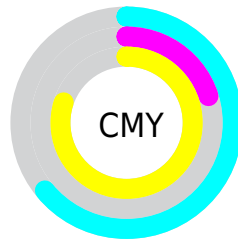


Cyan (54%)

Magenta (0%)

Yellow (75%)

Black (20%)



Cyan (64%)


Magenta (20%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7519, 0.3217, 0.5511 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 45.7519, 0.3217, 0.5511 by changing the saturation by 10% instead.


 45.7519, 0.3217,
0.5511


 45.7519, 0.3217,
0.5511


369.8103, 0.3262,
0.4333


 32.0501, 0.3168,
0.5806


 83.8476, 0.3260,
0.5077

 21.3998, 0.3082,
0.6175


 109.0102, 0.3268,
0.4915


 13.4165, 0.2928,
0.6637


 138.7619, 0.3271,
0.4778

 7.7160, 0.2688,
0.7312

 173.4871, 0.3272,
0.4662

 3.9138, 0.2143,
0.7857

 213.5701, 0.3271,
0.4562

 1.6254, 0.0000,
1.0000


 259.3954, 0.3268,


 0.3747, 0.0000,


0.4476


1.0000


311.3473, 0.3265,
0.4400


 0.0000, 0.0000,
0.0000


 45.7519, 0.3217,
0.5511

 45.7519, 0.3217,
0.5511


 44.9122, 0.3183,
0.5719


 46.8239, 0.3238,
0.5244


 44.2791, 0.3139,
0.5857

 48.1395, 0.3245,
0.4938

 44.0264, 0.3116,
0.5908

 49.7160, 0.3239,
0.4612

 51.5673, 0.3224,
0.4285

 53.7063, 0.3201,
0.3971

■ 56.1451, 0.3173,
0.3679

■ 58.8950, 0.3143,
0.3412

■ 61.9667, 0.3111,
0.3174

■ 65.3706, 0.3080,
0.2962

Harmonies

Analogous

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



45.7519, 0.4245, 0.5195



45.7519, 0.3217, 0.5511



45.7519, 0.2218, 0.4744

Triad

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



45.7519, 0.3217, 0.5511



45.7519, 0.1375, 0.1770



45.7519, 0.4955, 0.2908

Complementary

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



45.7519, 0.3217, 0.5511



14.4150, 0.2702, 0.1443

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.



45.7519, 0.3837, 0.2275



45.7519, 0.3217, 0.5511



45.7519, 0.1814, 0.1652

Square

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



45.7519, 0.3217, 0.5511



45.7519, 0.1276, 0.2278



45.7519, 0.2649, 0.1832



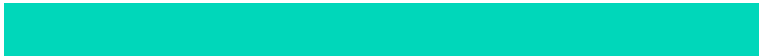
45.7519, 0.5406, 0.3629

Rectangle

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



45.7519, 0.3217, 0.5511



45.7519, 0.1712, 0.3798



45.7519, 0.2649, 0.1832



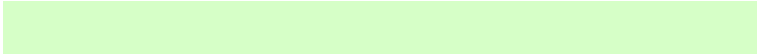
45.7519, 0.4632, 0.2683

Sweetspot

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



45.7538, 0.3217, 0.5511



89.9798, 0.3194, 0.3890



38.4491, 0.4483, 0.4514



19.0328, 0.3201, 0.3973



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.



45.7538, 0.3217, 0.5511



73.6910, 0.3156, 0.5813



44.5339, 0.2896, 0.5250



12.6835, 0.3156, 0.3527



27.7507, 0.3125, 0.5901



1.4700, 0.3275, 0.5782

Inverse Universe

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



14.4150, 0.2702, 0.1443



19.1448, 0.2582, 0.1231



18.1441, 0.3642, 0.1977



11.2430, 0.3095, 0.3059



6.7556, 0.2529, 0.1167



0.3850, 0.2667, 0.1243

Previews

White Background



This preview shows how the Yxy color 45.7519, 0.3217, 0.5511 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 45.7519, 0.3217, 0.5511 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 45.7519, 0.3217, 0.5511

Background



This preview shows how black text looks on a background with the Yxy color 45.7519, 0.3217, 0.5511.



This preview shows how white text looks on a background with the Yxy color 45.7519, 0.3217, 0.5511.

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

45.7519, 0.3217, 0.5511

Protanopia

44.8472, 0.4304, 0.4745

Deuteranopia

44.8191, 0.4494, 0.4402



Tritanopia

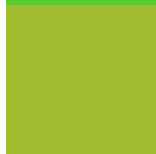
45.4207, 0.2536, 0.3065

Trichromacy



Original Color

45.7519, 0.3217, 0.5511



Protanomaly

43.8531, 0.3854, 0.5061



Deuteranomaly

43.0122, 0.3975, 0.4824



Tritanomaly

44.6117, 0.2820, 0.3984

Monochromacy



Original Color

45.7519, 0.3217, 0.5511



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

35.5913, 0.3215, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7519, 0.3217, 0.5511 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(93, 204, 51)` looks like.

```
.text, #text, p{  
    color:rgb(93, 204, 51)  
}
```

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(93, 204, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 204, 51) }
```

Border

The CSS property to change the border of an element to Yxy 45.7519, 0.3217, 0.5511 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(93, 204, 51) }
```

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

```
.border{ border-color:rgb(93, 204, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 204, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 204, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 204, 51);  
box-shadow:4px 4px 4px 4px rgb(93, 204,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7519, 0.3217, 0.5511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 204, 51) }
```

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

```
.background{ background-color: rgb(93, 204,  
51) }
```

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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