

Converting Colors

$Yxy(45.7528, 0.2931, 0.4816)$

Have a look what the booklet for
Yxy(45.7528, 0.2931, 0.4816)
contains.

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Color

Yxy(45.7518, 0.2935, 0.4822)

Conversions

Conversions Part 1

Format	Color
Hex	56CB6B
RGB	86, 203, 107
RGB Percent	34%, 80%, 42%
CMY	0.6628, 0.2039, 0.5803
CMYK	0.58, 0.00, 0.47, 0.20
HSL	131°, 53%, 57%
HSV	131°, 58%, 80%
XYZ	27.8477, 45.7518, 21.2819
YIQ	157.0730, -38.9160, -54.6600

Conversions

Conversions Part 2

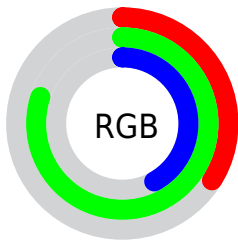
Format	Color
RYB	86, 185, 203
Decimal	5688171
CIELab	73.38, -53.19, 38.04
CIELCh	73, 65.393, 144.426
Yxy	45.7518, 0.2935, 0.4822
Android (android.graphics.Color)	4283878251 (0xFF56CB6B)
YUV	157.0730, -24.6860, -62.3310
Hunter-Lab	67.6401, -44.8810, 28.6934

Details

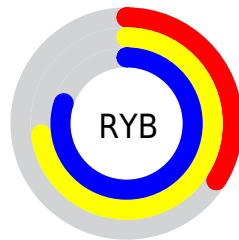
The Yxy color **45.7518, 0.2935, 0.4822** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **22.7256, 0.3439, 0.2148**, and the grayscale version is **33.8781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0778, 0.2992, 0.4455**, and **21.4881, 0.2820, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **44.6058, 0.2922, 0.5123**, and if you desaturate by 10%, it is **47.2426, 0.2958, 0.4514**.

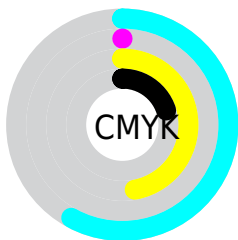
Distribution



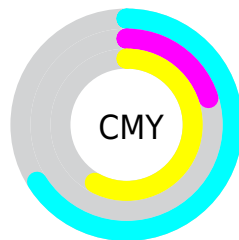
- Red (34%)
- Green (80%)
- Blue (42%)



- Red (34%)
- Yellow (73%)
- Blue (80%)



- Cyan (58%)
- Magenta (0%)
- Yellow (47%)
- Black (20%)





- Cyan (66%)
- Magenta (20%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7518, 0.2935, 0.4822 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 45.7518, 0.2935, 0.4822 by changing the saturation by 10% instead.

 45.7518, 0.2935,
0.4822


 45.7518, 0.2935,
0.4822


369.8099, 0.3068,
0.3997

 32.0500, 0.2888,
0.5044


 83.8474, 0.2993,
0.4509


 21.3997, 0.2819,
0.5337


 109.0100, 0.3012,
0.4396

 13.4165, 0.2711,
0.5738


 138.7617, 0.3026,
0.4301

 7.7160, 0.2530,
0.6307

 173.4869, 0.3038,
0.4221

 3.9137, 0.2282,
0.7416

213.5699, 0.3048,
0.4153

 1.6254, 0.0633,
0.9367

259.3951, 0.3055,

 0.3747, 0.0000,

0.4094

1.0000

311.3470, 0.3062,
0.4042

0.0000, 0.0000,
0.0000

45.7518, 0.2935,
0.4822

45.7518, 0.2935,
0.4822

44.6058, 0.2922,
0.5123

47.2426, 0.2958,
0.4514

43.7712, 0.2921,
0.5398

49.0972, 0.2988,
0.4215

43.2178, 0.2931,
0.5630

51.3399, 0.3023,
0.3934

42.9008, 0.2951,
0.5806

53.9910, 0.3060,
0.3677

42.8443, 0.2956,
0.5840

57.0698, 0.3098,
0.3447

■ 60.5941, 0.3136,
0.3245

■ 64.5808, 0.3172,
0.3068

■ 69.0457, 0.3206,
0.2914

■ 71.1937, 0.3151,
0.2782

Harmonies

Analogous

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



45.7518, 0.3791, 0.4961



45.7518, 0.2935, 0.4822



45.7518, 0.2178, 0.3992

Triad

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



45.7518, 0.2935, 0.4822



45.7518, 0.1795, 0.1985



45.7518, 0.4760, 0.3254

Complementary

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



45.7518, 0.2935, 0.4822



22.7256, 0.3439, 0.2148

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.



45.7518, 0.4051, 0.2669



45.7518, 0.2935, 0.4822



45.7518, 0.2300, 0.1974

Square

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



45.7518, 0.2935, 0.4822



45.7518, 0.1601, 0.2301



45.7518, 0.3105, 0.2217



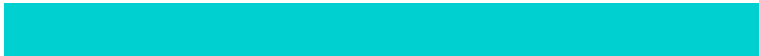
45.7518, 0.4912, 0.3896

Rectangle

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



45.7518, 0.2935, 0.4822



45.7518, 0.1832, 0.3304



45.7518, 0.3105, 0.2217



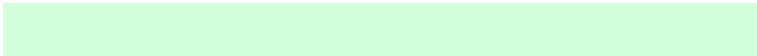
45.7518, 0.4576, 0.3050

Sweetspot

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



45.7537, 0.2935, 0.4822



90.6032, 0.3062, 0.3667



53.5142, 0.3775, 0.4732



19.1859, 0.3054, 0.3717



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.



45.7537, 0.2935, 0.4822



74.3255, 0.2921, 0.5188



47.3717, 0.2617, 0.3888



12.5694, 0.3092, 0.3486



27.2744, 0.2950, 0.5822



1.4173, 0.2854, 0.5476

Inverse Universe

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



22.7256, 0.3439, 0.2148



32.2058, 0.3525, 0.1977



20.8306, 0.4264, 0.2806



11.3678, 0.3165, 0.3102



9.8557, 0.3719, 0.1822



0.5177, 0.3603, 0.1758

Previews

White Background



This preview shows how the Yxy color 45.7518, 0.2935, 0.4822 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 45.7518, 0.2935, 0.4822 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 45.7518, 0.2935, 0.4822

Background



This preview shows how black text looks on a background with the Yxy color 45.7518, 0.2935, 0.4822.



This preview shows how white text looks on a background with the Yxy color 45.7518, 0.2935, 0.4822.

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

45.7518, 0.2935, 0.4822

Protanopia

44.9924, 0.3961, 0.4309

Deuteranopia

44.8107, 0.4044, 0.3967



Tritanopia

45.6490, 0.2480, 0.3077

Trichromacy



Original Color

45.7518, 0.2935, 0.4822



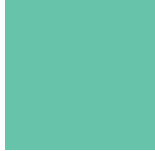
Protanomaly

44.0741, 0.3518, 0.4529



Deuteranomaly

43.3617, 0.3559, 0.4286



Tritanomaly

45.3037, 0.2646, 0.3667

Monochromacy



Original Color

45.7518, 0.2935, 0.4822



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.9615, 0.3033, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7518, 0.2935, 0.4822 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(86, 203, 107)` looks like.

```
.text, #text, p{  
    color:rgb(86, 203, 107)  
}
```

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(86, 203, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 203, 107) }
```

Border

The CSS property to change the border of an element to Yxy 45.7518, 0.2935, 0.4822 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(86, 203, 107) }
```

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

```
.border{ border-color:rgb(86, 203, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 203, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 203, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 203, 107);  
box-shadow:4px 4px 4px 4px rgb(86, 203,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7518, 0.2935, 0.4822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 203, 107) }
```

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

```
.background{ background-color: rgb(86, 203,  
107) }
```

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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