

Converting Colors

$Yxy(45.8558, 0.3079, 0.5103)$

Have a look what the booklet for
Yxy(45.8558, 0.3079, 0.5103)
contains.

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Color

Yxy(45.7271, 0.3076, 0.5097)

Conversions

Conversions Part 1

Format	Color
Hex	5DCB57
RGB	93, 203, 87
RGB Percent	36%, 80%, 34%
CMY	0.6350, 0.2039, 0.6588
CMYK	0.54, 0.00, 0.57, 0.20
HSL	117°, 53%, 57%
HSV	117°, 57%, 80%
XYZ	27.5960, 45.7271, 16.3907
YIQ	156.8860, -28.3240, -59.3960

Conversions

Conversions Part 2

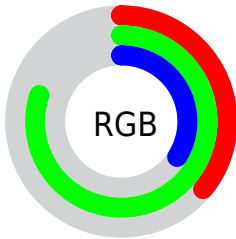
Format	Color
RYB	87, 203, 197
Decimal	6146903
CIELab	73.37, -54.12, 47.69
CIELCh	73, 72.137, 138.615
Yxy	45.7271, 0.3076, 0.5097
Android (android.graphics.Color)	4284336983 (0xFF5DCB57)
YUV	156.8860, -34.4538, -56.0280
Hunter-Lab	67.6218, -45.4937, 32.9641

Details

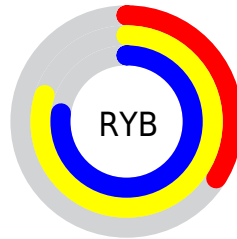
The Yxy color **45.7271, 0.3076, 0.5097** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **22.9922, 0.3122, 0.1929**, and the grayscale version is **33.8395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0888, 0.3126, 0.4684**, and **21.4659, 0.2970, 0.5688** is the 20% darker color. If you saturate the color by 10%, you get **44.5608, 0.3059, 0.5416**, and if you desaturate by 10%, it is **47.2431, 0.3091, 0.4749**.

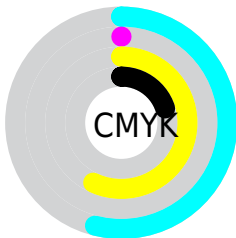
Distribution



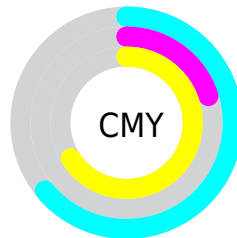
- Red (36%)
- Green (80%)
- Blue (34%)



- Red (34%)
- Yellow (80%)
- Blue (77%)



- Cyan (54%)
- Magenta (0%)
- Yellow (57%)
- Black (20%)





- Cyan (64%)
- Magenta (20%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7271, 0.3076, 0.5097 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 45.7271, 0.3076, 0.5097 by changing the saturation by 10% instead.


 45.7271, 0.3076,
0.5097

 45.7271, 0.3076,
0.5097


369.7104, 0.3155,
0.4127


 32.0305, 0.3035,
0.5353


 83.8104, 0.3120,
0.4732


 21.3848, 0.2969,
0.5686


 108.9660, 0.3131,
0.4598

 13.4056, 0.2855,
0.6128


 138.7100, 0.3139,
0.4487

 7.7084, 0.2657,
0.6742

 173.4268, 0.3145,
0.4392

 3.9089, 0.2309,
0.7691

213.5009, 0.3149,
0.4311

 1.6228, 0.0500,
0.9500

259.3166, 0.3152,


 0.3729, 0.0000,


0.4242


1.0000


311.2583, 0.3154,
0.4180


 0.0000, 0.0000,
0.0000


 45.7271, 0.3076,
0.5097


 45.7271, 0.3076,
0.5097


 44.5608, 0.3059,
0.5416


 47.2431, 0.3091,
0.4749


 43.7111, 0.3042,
0.5680

 49.1274, 0.3103,
0.4396


 43.1485, 0.3025,
0.5868

 51.4043, 0.3112,
0.4059

 42.8338, 0.3012,
0.5971

 54.0941, 0.3120,
0.3748

 42.7783, 0.3010,
0.5992

 57.2159, 0.3125,
0.3469

■ 60.7875, 0.3128,
0.3223

■ 64.8257, 0.3130,
0.3009

■ 69.3467, 0.3131,
0.2825

■ 71.1899, 0.3151,
0.2782

Harmonies

Analogous

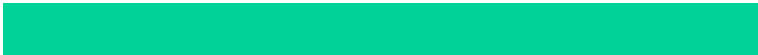
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.7271, 0.3995, 0.5057



45.7271, 0.3076, 0.5097



45.7271, 0.2219, 0.4290

Triad

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



45.7271, 0.3076, 0.5097



45.7271, 0.1623, 0.1912



45.7271, 0.4816, 0.3104

Complementary

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



45.7271, 0.3076, 0.5097



22.9922, 0.3122, 0.1929

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.



45.7271, 0.3944, 0.2503



45.7271, 0.3076, 0.5097



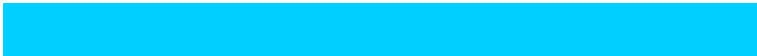
45.7271, 0.2092, 0.1849

Square

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



45.7271, 0.3076, 0.5097



45.7271, 0.1478, 0.2312



45.7271, 0.2904, 0.2060



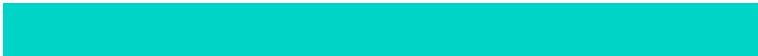
45.7271, 0.5098, 0.3779

Rectangle

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



45.7271, 0.3076, 0.5097



45.7271, 0.1805, 0.3511



45.7271, 0.2904, 0.2060



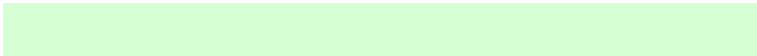
45.7271, 0.4576, 0.2892

Sweetspot

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



45.7290, 0.3076, 0.5097



90.5390, 0.3119, 0.3750



52.5327, 0.3987, 0.4560



19.1707, 0.3118, 0.3811



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.



45.7290, 0.3076, 0.5097



74.1716, 0.3055, 0.5497



46.5507, 0.2773, 0.4328



12.5644, 0.3124, 0.3529



27.2375, 0.3013, 0.5990



1.4152, 0.3056, 0.5956

Inverse Universe

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



22.9922, 0.3122, 0.1929



32.3780, 0.3112, 0.1714



21.8057, 0.3836, 0.2477



11.3728, 0.3130, 0.3061



9.9216, 0.3080, 0.1470



0.5212, 0.3107, 0.1485

Previews

White Background



This preview shows how the Yxy color 45.7271, 0.3076, 0.5097 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 45.7271, 0.3076, 0.5097 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 45.7271, 0.3076, 0.5097

Background



This preview shows how black text looks on a background with the Yxy color 45.7271, 0.3076, 0.5097.



This preview shows how white text looks on a background with the Yxy color 45.7271, 0.3076, 0.5097.

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

45.7271, 0.3076, 0.5097

Protanopia

44.9615, 0.4105, 0.4488

Deuteranopia

45.0304, 0.4239, 0.4160



Tritanopia

45.6398, 0.2521, 0.3079

Trichromacy



Original Color

45.7271, 0.3076, 0.5097



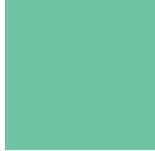
Protanomaly

44.0646, 0.3660, 0.4738



Deuteranomaly

43.5415, 0.3744, 0.4510



Tritanomaly

44.9896, 0.2732, 0.3775

Monochromacy



Original Color

45.7271, 0.3076, 0.5097



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.0064, 0.3113, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7271, 0.3076, 0.5097 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, 203, 87)` looks like.

```
.text, #text, p{  
    color:rgb(93, 203, 87)  
}
```

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, 203, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 203, 87) }
```

Border

The CSS property to change the border of an element to Yxy 45.7271, 0.3076, 0.5097 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, 203, 87) }
```

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

```
.border{ border-color:rgb(93, 203, 87) }
```

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

Here you see how a box with a 4 pixel rgb(93, 203, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 203, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 203, 87);  
box-shadow:4px 4px 4px 4px rgb(93, 203,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7271, 0.3076, 0.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 203, 87) }
```

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

```
.background{ background-color: rgb(93, 203,  
87) }
```

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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