

Converting Colors

$Yxy(45.7254, 0.2993, 0.5080)$

Have a look what the booklet for
Yxy(45.7254, 0.2993, 0.5080)
contains.

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Color

Yxy(45.7349, 0.2996, 0.5082)

Conversions

Conversions Part 1

Format	Color
Hex	52CC5B
RGB	82, 204, 91
RGB Percent	32%, 80%, 36%
CMY	0.6783, 0.2000, 0.6433
CMYK	0.60, 0.00, 0.55, 0.20
HSL	124°, 54%, 56%
HSV	124°, 60%, 80%
XYZ	26.9622, 45.7349, 17.2968
YIQ	154.6400, -36.4390, -61.0070

Conversions

Conversions Part 2

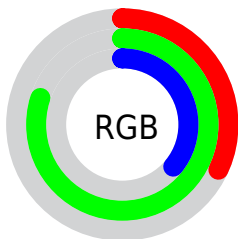
Format	Color
RYB	82, 196, 204
Decimal	5426267
CIELab	73.37, -56.70, 45.77
CIELCh	73, 72.870, 141.085
Yxy	45.7349, 0.2996, 0.5082
Android (android.graphics.Color)	4283616347 (0xFF52CC5B)
YUV	154.6400, -31.3745, -63.7053
Hunter-Lab	67.6276, -47.1828, 32.1749

Details

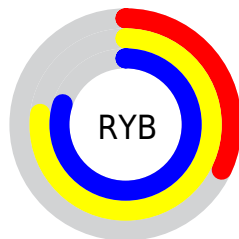
The Yxy color **45.7349, 0.2996, 0.5082** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **22.8212, 0.3294, 0.1990**, and the grayscale version is **32.7681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2844, 0.3053, 0.4659**, and **21.6414, 0.2904, 0.5656** is the 20% darker color. If you saturate the color by 10%, you get **44.6676, 0.2985, 0.5391**, and if you desaturate by 10%, it is **47.1600, 0.3013, 0.4748**.

Distribution



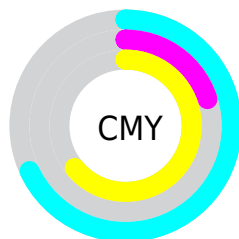
- Red (32%)
- Green (80%)
- Blue (36%)



- Red (32%)
- Yellow (77%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (55%)
- Black (20%)




- Cyan (68%)
- Magenta (20%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7349, 0.2996, 0.5082 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 45.7349, 0.2996, 0.5082 by changing the saturation by 10% instead.

 45.7349, 0.2996,
0.5082


 45.7349, 0.2996,
0.5082


369.7418, 0.3113,
0.4116

 32.0367, 0.2947,
0.5339


 83.8221, 0.3053,
0.4717


 21.3895, 0.2871,
0.5675


 108.9799, 0.3069,
0.4584

 13.4090, 0.2747,
0.6126


 138.7263, 0.3082,
0.4473

 7.7108, 0.2532,
0.6748

 173.4458, 0.3091,
0.4379

 3.9105, 0.2192,
0.7808

213.5227, 0.3099,
0.4299

 1.6236, 0.0140,
0.9860

259.3414, 0.3105,

 0.3734, 0.0000,

0.4230

1.0000

311.2863, 0.3109,
0.4169

■ 0.0000, 0.0000,
0.0000

■ 45.7349, 0.2996,
0.5082

■ 45.7349, 0.2996,
0.5082

■ 44.6676, 0.2985,
0.5391

■ 47.1600, 0.3013,
0.4748

■ 43.9212, 0.2980,
0.5651

■ 48.9647, 0.3034,
0.4410

■ 43.4610, 0.2983,
0.5841

■ 51.1757, 0.3058,
0.4087

■ 43.2247, 0.2988,
0.5956

■ 53.8156, 0.3082,
0.3789

■ 43.2207, 0.2988,
0.5957

■ 56.9056, 0.3105,
0.3521

■ 60.4652, 0.3128,
0.3285

■ 64.5128, 0.3149,
0.3080

■ 69.0660, 0.3168,
0.2902

■ 71.6664, 0.3151,
0.2792

Harmonies

Analogous

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



45.7349, 0.3927, 0.5104



45.7349, 0.2996, 0.5082



45.7349, 0.2149, 0.4206

Triad

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



45.7349, 0.2996, 0.5082



45.7349, 0.1638, 0.1884



45.7349, 0.4882, 0.3155

Complementary

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



45.7349, 0.2996, 0.5082



22.8212, 0.3294, 0.1990

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.



45.7349, 0.4038, 0.2541



45.7349, 0.2996, 0.5082



45.7349, 0.2137, 0.1846

Square

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



45.7349, 0.2996, 0.5082



45.7349, 0.1465, 0.2253



45.7349, 0.2983, 0.2079



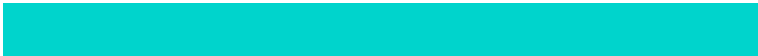
45.7349, 0.5108, 0.3837

Rectangle

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



45.7349, 0.2996, 0.5082



45.7349, 0.1754, 0.3416



45.7349, 0.2983, 0.2079



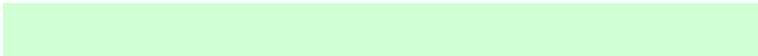
45.7349, 0.4656, 0.2939

Sweetspot

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



45.7368, 0.2996, 0.5082



89.8667, 0.3085, 0.3746



55.5146, 0.3897, 0.4719



18.9358, 0.3078, 0.3829



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.



45.7368, 0.2996, 0.5082



73.5282, 0.2982, 0.5479



47.2212, 0.2673, 0.4116



12.5501, 0.3106, 0.3512



27.2085, 0.2985, 0.5947



1.4084, 0.2937, 0.5774

Inverse Universe

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



22.8212, 0.3294, 0.1990



32.2015, 0.3334, 0.1805



20.6241, 0.4136, 0.2642



11.3890, 0.3149, 0.3078



10.4002, 0.3400, 0.1647



0.5409, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 45.7349, 0.2996, 0.5082 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 45.7349, 0.2996, 0.5082 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 45.7349, 0.2996, 0.5082

Background



This preview shows how black text looks on a background with the Yxy color 45.7349, 0.2996, 0.5082.



This preview shows how white text looks on a background with the Yxy color 45.7349, 0.2996, 0.5082.

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

45.7349, 0.2996, 0.5082

Protanopia

44.8705, 0.4076, 0.4464

Deuteranopia

44.9513, 0.4198, 0.4122



Tritanopia

45.5838, 0.2475, 0.3077

Trichromacy



Original Color

45.7349, 0.2996, 0.5082



Protanomaly

43.7062, 0.3606, 0.4722



Deuteranomaly

43.1651, 0.3678, 0.4478



Tritanomaly

44.9058, 0.2665, 0.3765

Monochromacy



Original Color

45.7349, 0.2996, 0.5082



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.1423, 0.3062, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7349, 0.2996, 0.5082 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(82, 204, 91)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 91)  
}
```

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(82, 204, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 91) }
```

Border

The CSS property to change the border of an element to Yxy 45.7349, 0.2996, 0.5082 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(82, 204, 91) }
```

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

```
.border{ border-color:rgb(82, 204, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 204, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 91);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7349, 0.2996, 0.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 91) }
```

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

```
.background{ background-color: rgb(82, 204,  
91) }
```

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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