

Converting Colors

$Yxy(48.1550, 0.3291, 0.5046)$

Have a look what the booklet for
Yxy(48.1550, 0.3291, 0.5046)
contains.

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Color

Yxy(48.0212, 0.3292, 0.5047)

Conversions

Conversions Part 1

Format	Color
Hex	7BCC53
RGB	123, 204, 83
RGB Percent	48%, 80%, 33%
CMY	0.5177, 0.2000, 0.6745
CMYK	0.40, 0.00, 0.59, 0.20
HSL	100°, 54%, 56%
HSV	100°, 59%, 80%
XYZ	31.3227, 48.0212, 15.8041
YIQ	165.9870, -9.4350, -54.8030

Conversions

Conversions Part 2

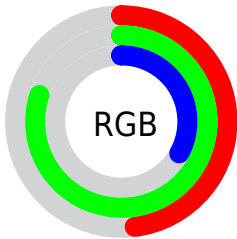
Format	Color
RYB	83, 204, 164
Decimal	8113235
CIELab	74.84, -46.18, 51.51
CIELCh	75, 69.181, 131.877
Yxy	48.0212, 0.3292, 0.5047
Android (android.graphics.Color)	4286303315 (0xFF7BCC53)
YUV	165.9870, -40.9126, -37.6996
Hunter-Lab	69.2973, -40.5875, 34.9863

Details

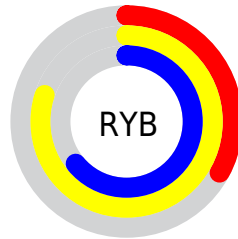
The Yxy color **48.0212, 0.3292, 0.5047** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.4434, 0.2742, 0.1725**, and the grayscale version is **38.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0009, 0.3312, 0.4657**, and **22.7370, 0.3242, 0.5582** is the 20% darker color. If you saturate the color by 10%, you get **46.8150, 0.3283, 0.5332**, and if you desaturate by 10%, it is **49.4647, 0.3286, 0.4735**.

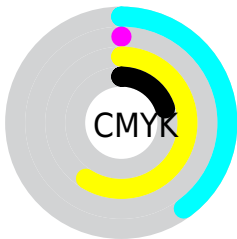
Distribution



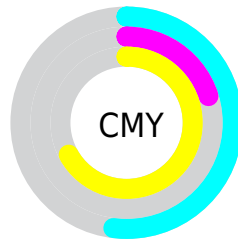
- Red (48%)
- Green (80%)
- Blue (33%)



- Red (33%)
- Yellow (80%)
- Blue (64%)



- Cyan (40%)
- Magenta (0%)
- Yellow (59%)
- Black (20%)





- Cyan (52%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0212, 0.3292, 0.5047 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 48.0212, 0.3292, 0.5047 by changing the saturation by 10% instead.


 48.0212, 0.3292,
0.5047

 48.0212, 0.3292,
0.5047


378.8762, 0.3264,
0.4124


 33.8437, 0.3277,
0.5282


 87.2360, 0.3297,
0.4706

 22.7735, 0.3244,
0.5581


 113.0420, 0.3294,
0.4579

 14.4264, 0.3173,
0.5970


 143.4930, 0.3290,
0.4473

 8.4178, 0.3038,
0.6500

 178.9733, 0.3285,
0.4382

 4.3634, 0.2761,
0.7239

 219.8674, 0.3279,
0.4304

 1.8789, 0.1876,
0.8124

266.5597, 0.3274,

 0.5356, 0.0000,

0.4236

1.0000

319.4344, 0.3269,
0.4177

0.0000, 0.0000,
0.0000

48.0212, 0.3292,
0.5047

48.0212, 0.3292,
0.5047

46.8150, 0.3283,
0.5332

49.4647, 0.3286,
0.4735

45.8259, 0.3258,
0.5570

51.1523, 0.3266,
0.4414

45.0397, 0.3218,
0.5747

53.0977, 0.3238,
0.4098

44.4328, 0.3168,
0.5862

55.3120, 0.3203,
0.3800

44.3958, 0.3165,
0.5869

57.8054, 0.3164,
0.3524

■ 60.5877, 0.3124,
0.3274

■ 63.6682, 0.3084,
0.3050

■ 67.0556, 0.3045,
0.2851

■ 69.9872, 0.3085,
0.2781

Harmonies

Analogous

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



48.0212, 0.4149, 0.4879



48.0212, 0.3292, 0.5047



48.0212, 0.2437, 0.4452

Triad

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



48.0212, 0.3292, 0.5047



48.0212, 0.1631, 0.2033



48.0212, 0.4576, 0.2984

Complementary

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



48.0212, 0.3292, 0.5047



18.4434, 0.2742, 0.1725

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.



48.0212, 0.3678, 0.2429



48.0212, 0.3292, 0.5047



48.0212, 0.2012, 0.1902

Square

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



48.0212, 0.3292, 0.5047



48.0212, 0.1562, 0.2509



48.0212, 0.2720, 0.2048



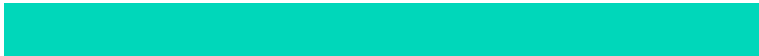
48.0212, 0.4992, 0.3625

Rectangle

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



48.0212, 0.3292, 0.5047



48.0212, 0.1989, 0.3749



48.0212, 0.2720, 0.2048



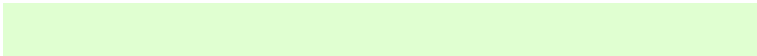
48.0212, 0.4312, 0.2785

Sweetspot

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



48.0233, 0.3292, 0.5047



92.0186, 0.3199, 0.3769



39.8972, 0.4250, 0.4273



19.4512, 0.3210, 0.3854



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.



48.0233, 0.3292, 0.5047



77.0641, 0.3278, 0.5399



46.0102, 0.2940, 0.4898



12.7140, 0.3165, 0.3526



27.9875, 0.3174, 0.5862



1.4851, 0.3330, 0.5738

Inverse Universe

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



18.4434, 0.2742, 0.1725



23.7354, 0.2629, 0.1450



22.4807, 0.3431, 0.2105



11.2108, 0.3086, 0.3058



6.1219, 0.2397, 0.1094



0.3561, 0.2559, 0.1183

Previews

White Background



This preview shows how the Yxy color 48.0212, 0.3292, 0.5047 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 48.0212, 0.3292, 0.5047 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 48.0212, 0.3292, 0.5047

Background



This preview shows how black text looks on a background with the Yxy color 48.0212, 0.3292, 0.5047.



This preview shows how white text looks on a background with the Yxy color 48.0212, 0.3292, 0.5047.

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

48.0212, 0.3292, 0.5047

Protanopia

47.2402, 0.4140, 0.4530

Deuteranopia

47.0350, 0.4310, 0.4216



Tritanopia

47.6062, 0.2662, 0.3074

Trichromacy



Original Color

48.0212, 0.3292, 0.5047



Protanomaly

46.9401, 0.3805, 0.4735



Deuteranomaly

46.0939, 0.3908, 0.4520



Tritanomaly

47.3227, 0.2910, 0.3782

Monochromacy



Original Color

48.0212, 0.3292, 0.5047



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.9041, 0.3216, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0212, 0.3292, 0.5047 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(123, 204, 83)` looks like.

```
.text, #text, p{  
    color:rgb(123, 204, 83)  
}
```

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(123, 204, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 204, 83) }
```

Border

The CSS property to change the border of an element to Yxy 48.0212, 0.3292, 0.5047 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(123, 204, 83) }
```

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

```
.border{ border-color:rgb(123, 204, 83) }
```

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

Here you see how a box with a 4 pixel rgb(123, 204, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 204, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 204, 83);  
box-shadow:4px 4px 4px 4px rgb(123, 204,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0212, 0.3292, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 204, 83) }
```

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

```
.background{ background-color: rgb(123,  
204, 83) }
```

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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