

Converting Colors

$Yxy(50.9670, 0.3074, 0.4550)$

Have a look what the booklet for
Yxy(50.9670, 0.3074, 0.4550)
contains.

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Color

Yxy(50.7528, 0.3068, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	7BD07B
RGB	123, 208, 123
RGB Percent	48%, 82%, 48%
CMY	0.5178, 0.1843, 0.5175
CMYK	0.41, 0.00, 0.41, 0.18
HSL	120°, 48%, 65%
HSV	120°, 41%, 82%
XYZ	34.2973, 50.7528, 26.7402
YIQ	172.8950, -23.3750, -44.4550

Conversions

Conversions Part 2

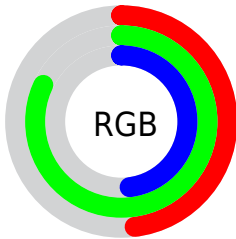
Format	Color
RYB	123, 208, 208
Decimal	8114299
CIELab	76.53, -42.86, 34.29
CIELCh	77, 54.890, 141.344
Yxy	50.7528, 0.3068, 0.4540
Android (android.graphics.Color)	4286304379 (0xFF7BD07B)
YUV	172.8950, -24.5982, -43.7579
Hunter-Lab	71.2410, -38.7372, 27.6143

Details

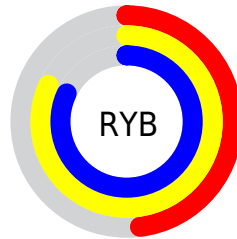
The Yxy color **50.7528, 0.3068, 0.4540** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.1182, 0.3175, 0.2293**, and the grayscale version is **41.8679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2383, 0.3102, 0.4202**, and **24.4924, 0.3013, 0.4927** is the 20% darker color. If you saturate the color by 10%, you get **48.9144, 0.3051, 0.4899**, and if you desaturate by 10%, it is **53.0318, 0.3085, 0.4190**.

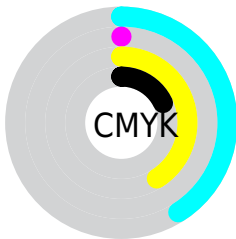
Distribution



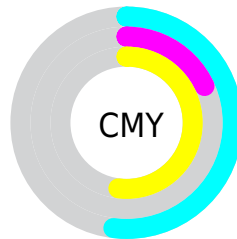
- Red (48%)
- Green (82%)
- Blue (48%)



- Red (48%)
- Yellow (82%)
- Blue (82%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (18%)




- Cyan (52%)
- Magenta (18%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7528, 0.3068, 0.4540 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 50.7528, 0.3068, 0.4540 by changing the saturation by 10% instead.


 50.7528, 0.3068,
0.4540

 50.7528, 0.3068,
0.4540


389.6026, 0.3122,
0.3885


 36.0119, 0.3046,
0.4711


 91.2893, 0.3094,
0.4296

 24.4434, 0.3013,
0.4933


 117.8536, 0.3101,
0.4206

 15.6629, 0.2959,
0.5234


 149.1280, 0.3107,
0.4131

 9.2859, 0.2865,
0.5657

185.4966, 0.3112,
0.4067

 4.9281, 0.2689,
0.6289

227.3440, 0.3115,
0.4012

 2.2052, 0.2391,
0.7609

275.0545, 0.3118,

 0.7228, 0.0000,

0.3964

1.0000

329.0126, 0.3120,
0.3922

0.0000, 0.0000,
0.0000

50.7528, 0.3068,
0.4540

50.7528, 0.3068,
0.4540

48.9144, 0.3051,
0.4899

53.0318, 0.3085,
0.4190

47.4823, 0.3035,
0.5243

55.7705, 0.3100,
0.3864

46.4275, 0.3021,
0.5546


58.9945, 0.3114,
0.3570


45.7146, 0.3010,
0.5780

62.7255, 0.3126,
0.3311

45.3012, 0.3003,
0.5929

66.9843, 0.3137,
0.3086

 45.1161, 0.3000,
0.5999

 71.7902, 0.3146,
0.2892

 73.5957, 0.3149,
0.2831

Harmonies

Analogous

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



50.7528, 0.3778, 0.4638



50.7528, 0.3068, 0.4540



50.7528, 0.2412, 0.3935

Triad

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



50.7528, 0.3068, 0.4540



50.7528, 0.1978, 0.2216



50.7528, 0.4412, 0.3232

Complementary

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



50.7528, 0.3068, 0.4540



32.1182, 0.3175, 0.2293

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.



50.7528, 0.3807, 0.2732



50.7528, 0.3068, 0.4540



50.7528, 0.2389, 0.2170

Square

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



50.7528, 0.3068, 0.4540



50.7528, 0.1838, 0.2532



50.7528, 0.3042, 0.2356



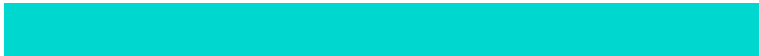
50.7528, 0.4605, 0.3783

Rectangle

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



50.7528, 0.3068, 0.4540



50.7528, 0.2092, 0.3401



50.7528, 0.3042, 0.2356



50.7528, 0.4247, 0.3056

Sweetspot

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



50.7549, 0.3068, 0.4540



92.8364, 0.3112, 0.3605



59.9559, 0.3734, 0.4293



19.7194, 0.3110, 0.3643



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.



50.7549, 0.3068, 0.4540



77.8859, 0.3053, 0.4852



52.0582, 0.2813, 0.3899



13.2065, 0.3116, 0.3530



28.1165, 0.3000, 0.5999



1.5722, 0.2999, 0.5997

Inverse Universe

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



32.1182, 0.3175, 0.2293



44.4511, 0.3184, 0.2104



30.3019, 0.3636, 0.2760



12.0089, 0.3138, 0.3061



11.1903, 0.3211, 0.1543



0.6258, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 50.7528, 0.3068, 0.4540 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 50.7528, 0.3068, 0.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

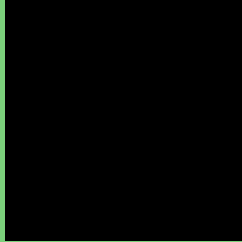
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7528, 0.3068, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 50.7528, 0.3068, 0.4540.



This preview shows how white text looks on a background with the Yxy color 50.7528, 0.3068, 0.4540.

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

50.7528, 0.3068, 0.4540

Protanopia

50.1834, 0.3858, 0.4185

Deuteranopia

50.1015, 0.3952, 0.3875



Tritanopia

50.3993, 0.2623, 0.3077

Trichromacy



Original Color

50.7528, 0.3068, 0.4540



Protanomaly

49.4522, 0.3535, 0.4320



Deuteranomaly

48.9240, 0.3593, 0.4114



Tritanomaly

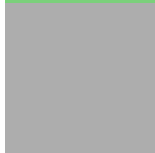
50.1369, 0.2785, 0.3584

Monochromacy



Original Color

50.7528, 0.3068, 0.4540



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.4529, 0.3106, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7528, 0.3068, 0.4540 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, 208, 123)` looks like.

```
.text, #text, p{  
    color:rgb(123, 208, 123)  
}
```

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, 208, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 208, 123) }
```

Border

The CSS property to change the border of an element to Yxy 50.7528, 0.3068, 0.4540 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, 208, 123) }
```

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

```
.border{ border-color:rgb(123, 208, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 208, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 208, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 208, 123);  
box-shadow:4px 4px 4px 4px rgb(123, 208,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7528, 0.3068, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 208, 123) }
```

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

```
.background{ background-color: rgb(123,  
208, 123) }
```

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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