

Converting Colors

Yxy(54.7240, 0.3091, 0.4706)

Have a look what the booklet for
Yxy(54.7240, 0.3091, 0.4706)
contains.

Yxy(54.5337, 0.3091, 0.4709)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.5337, 0.3091, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	7AD875
RGB	122, 216, 117
RGB Percent	48%, 85%, 46%
CMY	0.5215, 0.1529, 0.5411
CMYK	0.44, 0.00, 0.46, 0.15
HSL	117°, 56%, 65%
HSV	117°, 46%, 85%
XYZ	35.7961, 54.5337, 25.4776
YIQ	176.6080, -24.2450, -50.7170

Conversions

Conversions Part 2

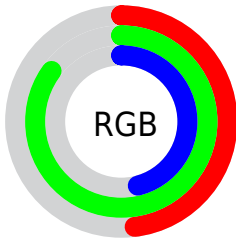
Format	Color
RYB	117, 216, 211
Decimal	8050805
CIELab	78.77, -47.42, 40.16
CIElCh	79, 62.139, 139.741
Yxy	54.5337, 0.3091, 0.4709
Android (android.graphics.Color)	4286240885 (0xFF7AD875)
YUV	176.6080, -29.3867, -47.8912
Hunter-Lab	73.8469, -42.7073, 31.2375

Details

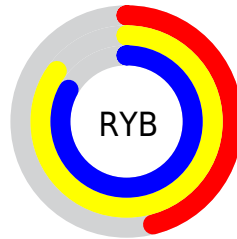
The Yxy color **54.5337, 0.3091, 0.4709** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **31.5382, 0.3129, 0.2163**, and the grayscale version is **43.9212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0440, 0.3128, 0.4261**, and **26.6588, 0.3034, 0.5140** is the 20% darker color. If you saturate the color by 10%, you get **52.7421, 0.3076, 0.5060**, and if you desaturate by 10%, it is **56.7631, 0.3103, 0.4356**.

Distribution



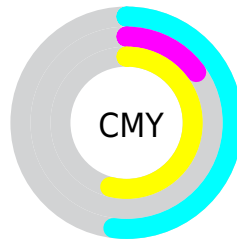
- Red (48%)
- Green (85%)
- Blue (46%)



- Red (46%)
- Yellow (85%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (46%)
- Black (15%)





- Cyan (52%)
- Magenta (15%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5337, 0.3091, 0.4709 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 54.5337, 0.3091, 0.4709 by changing the saturation by 10% instead.


 54.5337, 0.3091,
0.4709

 54.5337, 0.3091,
0.4709


404.1419, 0.3141,
0.3972

 39.0285, 0.3068,
0.4898


 96.8574, 0.3117,
0.4437

 26.7819, 0.3032,
0.5141


 124.4447, 0.3124,
0.4336

 17.4095, 0.2972,
0.5465


 156.8282, 0.3129,
0.4251

 10.5269, 0.2867,
0.5911

194.3923, 0.3133,
0.4179

 5.7497, 0.2678,
0.6567

237.5213, 0.3136,
0.4116

 2.6935, 0.2329,
0.7671

286.5996, 0.3138,

 0.9739, 0.0000,

0.4062

1.0000

342.0117, 0.3139,
0.4014

■ 0.0000, 0.0000,
0.0000

■ 54.5337, 0.3091,
0.4709

■ 54.5337, 0.3091,
0.4709

■ 52.7421, 0.3076,
0.5060

■ 56.7631, 0.3103,
0.4356

■ 51.3533, 0.3060,
0.5385

■ 59.4490, 0.3113,
0.4020

■ 50.3378, 0.3043,
0.5657

■ 62.6176, 0.3120,
0.3711

■ 49.6595, 0.3026,
0.5854


■ 66.2908, 0.3125,
0.3435

■ 49.2749, 0.3012,
0.5964

■ 70.4893, 0.3128,
0.3193

 49.1823, 0.3009,
0.5993

 75.2327, 0.3131,
0.2982

 77.5919, 0.3145,
0.2910

Harmonies

Analogous

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



54.5337, 0.3864, 0.4763



54.5337, 0.3091, 0.4709



54.5337, 0.2369, 0.4054

Triad

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



54.5337, 0.3091, 0.4709



54.5337, 0.1862, 0.2127



54.5337, 0.4521, 0.3184

Complementary

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



54.5337, 0.3091, 0.4709



31.5382, 0.3129, 0.2163

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.



54.5337, 0.3831, 0.2653



54.5337, 0.3091, 0.4709



54.5337, 0.2287, 0.2070

Square

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



54.5337, 0.3091, 0.4709



54.5337, 0.1727, 0.2478



54.5337, 0.2985, 0.2259



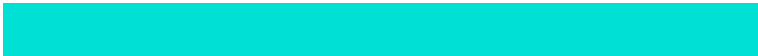
54.5337, 0.4754, 0.3776

Rectangle

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



54.5337, 0.3091, 0.4709



54.5337, 0.2016, 0.3452



54.5337, 0.2985, 0.2259



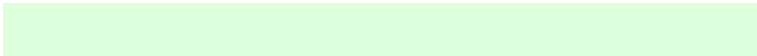
54.5337, 0.4331, 0.2997

Sweetspot

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



54.5360, 0.3091, 0.4709



92.0381, 0.3121, 0.3662



61.6827, 0.3833, 0.4344



19.4659, 0.3119, 0.3725



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.



54.5360, 0.3091, 0.4709



76.8765, 0.3077, 0.5050



55.4312, 0.2820, 0.4089



13.9255, 0.3123, 0.3530



29.1248, 0.3012, 0.5991



1.7674, 0.3049, 0.5961

Inverse Universe

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



31.5382, 0.3129, 0.2163



39.3683, 0.3125, 0.1958



30.3502, 0.3647, 0.2621



12.5993, 0.3130, 0.3060



10.6409, 0.3084, 0.1473



0.6518, 0.3107, 0.1485

Previews

White Background



This preview shows how the Yxy color 54.5337, 0.3091, 0.4709 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 54.5337, 0.3091, 0.4709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

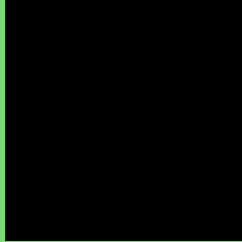
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.5337, 0.3091, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 54.5337, 0.3091, 0.4709.

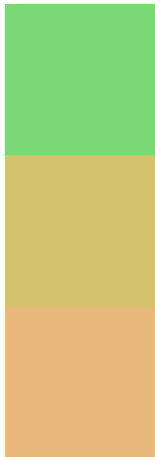


This preview shows how white text looks on a background with the Yxy color 54.5337, 0.3091, 0.4709.

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

54.5337, 0.3091, 0.4709

Protanopia

53.8338, 0.3941, 0.4287

Deuteranopia

53.4768, 0.4056, 0.3974



Tritanopia

54.2458, 0.2602, 0.3070

Trichromacy



Original Color

54.5337, 0.3091, 0.4709



Protanomaly

53.1142, 0.3593, 0.4452



Deuteranomaly

52.1978, 0.3669, 0.4238



Tritanomaly

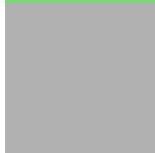
53.6815, 0.2781, 0.3633

Monochromacy



Original Color

54.5337, 0.3091, 0.4709



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.7963, 0.3119, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5337, 0.3091, 0.4709 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(122, 216, 117)` looks like.

```
.text, #text, p{  
    color:rgb(122, 216, 117)  
}
```

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(122, 216, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 216, 117) }
```

Border

The CSS property to change the border of an element to Yxy 54.5337, 0.3091, 0.4709 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(122, 216, 117) }
```

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

```
.border{ border-color:rgb(122, 216, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 216, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 216, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 216, 117); box-shadow:4px 4px 4px 4px rgb(122, 216, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5337, 0.3091, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 216, 117) }
```

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

```
.background{ background-color: rgb(122,  
216, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor