

Converting Colors

Yxy(46.9536, 0.3124, 0.5001)

Have a look what the booklet for
Yxy(46.9536, 0.3124, 0.5001)
contains.

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Color

Yxy(46.9617, 0.3124, 0.4998)

Conversions

Conversions Part 1

Format	Color
Hex	69CC5C
RGB	105, 204, 92
RGB Percent	41%, 80%, 36%
CMY	0.5881, 0.2000, 0.6391
CMYK	0.49, 0.00, 0.55, 0.20
HSL	113°, 52%, 58%
HSV	113°, 55%, 80%
XYZ	29.3534, 46.9617, 17.6459
YIQ	161.6310, -23.0520, -55.8200

Conversions

Conversions Part 2

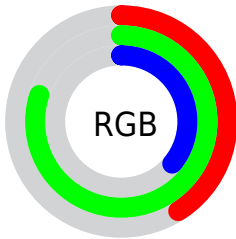
Format	Color
RYB	92, 204, 191
Decimal	6933596
CIELab	74.17, -50.67, 46.42
CIELCh	74, 68.719, 137.511
Yxy	46.9617, 0.3124, 0.4998
Android (android.graphics.Color)	4285123676 (0xFF69CC5C)
YUV	161.6310, -34.3281, -49.6654
Hunter-Lab	68.5286, -43.4667, 32.7031

Details

The Yxy color **46.9617, 0.3124, 0.4998** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **23.0916, 0.3043, 0.1941**, and the grayscale version is **36.1261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2457, 0.3159, 0.4602**, and **22.1836, 0.3042, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **45.6748, 0.3109, 0.5321**, and if you desaturate by 10%, it is **48.5801, 0.3134, 0.4653**.

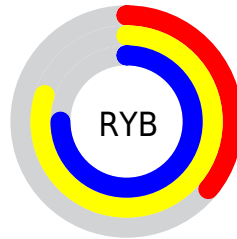
Distribution



Red (41%)

Green (80%)

Blue (36%)



Red (36%)

Yellow (80%)

Blue (75%)

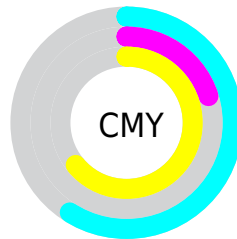


Cyan (49%)

Magenta (0%)

Yellow (55%)

Black (20%)



Cyan (59%)


Magenta (20%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9617, 0.3124, 0.4998 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 46.9617, 0.3124, 0.4998 by changing the saturation by 10% instead.


 46.9617, 0.3124,
0.4998


 46.9617, 0.3124,
0.4998


374.6616, 0.3173,
0.4088


 33.0054, 0.3093,
0.5237


 85.6565, 0.3155,
0.4657

 22.1306, 0.3041,
0.5546


 111.1637, 0.3163,
0.4532

 13.9529, 0.2949,
0.5957


 141.2900, 0.3168,
0.4427

 8.0879, 0.2780,
0.6517

 176.4198, 0.3170,
0.4338

 4.1512, 0.2517,
0.7483

216.9374, 0.3172,
0.4262

 1.7585, 0.1260,
0.8740

263.2274, 0.3173,

 0.4611, 0.0000,

0.4196

1.0000

315.6740, 0.3173,
0.4139

0.0000, 0.0000,
0.0000

46.9617, 0.3124,
0.4998

46.9617, 0.3124,
0.4998

45.6748, 0.3109,
0.5321

48.5801, 0.3134,
0.4653

44.6907, 0.3088,
0.5599

50.5445, 0.3138,
0.4309

43.9859, 0.3063,
0.5808

52.8757, 0.3139,
0.3982

43.5303, 0.3037,
0.5936

55.5911, 0.3136,
0.3681

43.3762, 0.3027,
0.5979

58.7071, 0.3130,
0.3411

■ 62.2390, 0.3123,
0.3172

■ 66.2014, 0.3116,
0.2964

■ 70.5941, 0.3109,
0.2785

■ 71.6656, 0.3151,
0.2792

Harmonies

Analogous

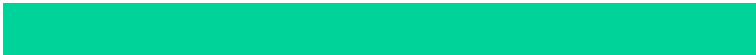
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9617, 0.3999, 0.4957



46.9617, 0.3124, 0.4998



46.9617, 0.2297, 0.4267

Triad

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



46.9617, 0.3124, 0.4998



46.9617, 0.1678, 0.1984



46.9617, 0.4701, 0.3099

Complementary

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



46.9617, 0.3124, 0.4998



23.0916, 0.3043, 0.1941

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.



46.9617, 0.3866, 0.2522



46.9617, 0.3124, 0.4998



46.9617, 0.2120, 0.1909

Square

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



46.9617, 0.3124, 0.4998



46.9617, 0.1550, 0.2388



46.9617, 0.2886, 0.2102



46.9617, 0.5000, 0.3750

Rectangle

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



46.9617, 0.3124, 0.4998



46.9617, 0.1889, 0.3544



46.9617, 0.2886, 0.2102



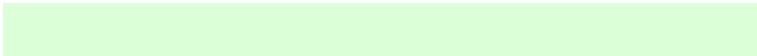
46.9617, 0.4468, 0.2895

Sweetspot

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



46.9637, 0.3124, 0.4998



91.4362, 0.3136, 0.3719



50.8436, 0.3992, 0.4466



19.3627, 0.3137, 0.3780



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.



46.9637, 0.3124, 0.4998



75.2832, 0.3105, 0.5380



47.2095, 0.2813, 0.4371



12.5983, 0.3133, 0.3528



27.3227, 0.3032, 0.5975



1.4309, 0.3122, 0.5903

Inverse Universe

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



23.0916, 0.3043, 0.1941



31.7255, 0.3013, 0.1712



23.0704, 0.3718, 0.2439



11.3350, 0.3120, 0.3060



8.8999, 0.2920, 0.1382



0.4783, 0.2980, 0.1415

Previews

White Background



This preview shows how the Yxy color 46.9617, 0.3124, 0.4998 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 46.9617, 0.3124, 0.4998 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 46.9617, 0.3124, 0.4998

Background



This preview shows how black text looks on a background with the Yxy color 46.9617, 0.3124, 0.4998.



This preview shows how white text looks on a background with the Yxy color 46.9617, 0.3124, 0.4998.

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

46.9617, 0.3124, 0.4998

Protanopia

46.1211, 0.4077, 0.4450

Deuteranopia

46.1794, 0.4212, 0.4133



Tritanopia

46.7935, 0.2570, 0.3082

Trichromacy



Original Color

46.9617, 0.3124, 0.4998



Protanomaly

45.2068, 0.3680, 0.4662



Deuteranomaly

44.7278, 0.3768, 0.4448



Tritanomaly

46.1895, 0.2783, 0.3750

Monochromacy



Original Color

46.9617, 0.3124, 0.4998



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.9131, 0.3133, 0.3904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9617, 0.3124, 0.4998 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(105, 204, 92)` looks like.

```
.text, #text, p{  
    color:rgb(105, 204, 92)  
}
```

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(105, 204, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 204, 92) }
```

Border

The CSS property to change the border of an element to Yxy 46.9617, 0.3124, 0.4998 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(105, 204, 92) }
```

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

```
.border{ border-color:rgb(105, 204, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 204, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 204, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 204, 92);  
box-shadow:4px 4px 4px 4px rgb(105, 204,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9617, 0.3124, 0.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 204, 92) }
```

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

```
.background{ background-color: rgb(105,  
204, 92) }
```

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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