

Converting Colors

Yxy(46.5616, 0.3147, 0.5144)

Have a look what the booklet for
Yxy(46.5616, 0.3147, 0.5144)
contains.

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Color

Yxy(46.5616, 0.3147, 0.5144)

Conversions

Conversions Part 1

Format	Color
Hex	65CC52
RGB	101, 204, 82
RGB Percent	40%, 80%, 32%
CMY	0.6038, 0.2000, 0.6784
CMYK	0.50, 0.00, 0.60, 0.20
HSL	111°, 54%, 56%
HSV	111°, 60%, 80%
XYZ	28.4855, 46.5616, 15.4692
YIQ	159.2950, -22.2260, -59.7780

Conversions

Conversions Part 2

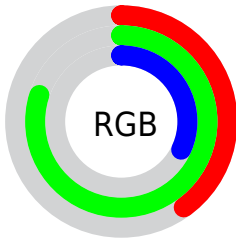
Format	Color
RYB	82, 204, 185
Decimal	6671442
CIELab	73.91, -52.93, 50.65
CIELCh	74, 73.265, 136.259
Yxy	46.5616, 0.3147, 0.5144
Android (android.graphics.Color)	4284861522 (0xFF65CC52)
YUV	159.2950, -38.1064, -51.1247
Hunter-Lab	68.2361, -44.8974, 34.3241

Details

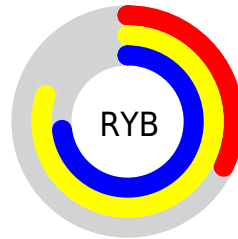
The Yxy color **46.5616, 0.3147, 0.5144** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **20.7063, 0.2976, 0.1817**, and the grayscale version is **35.0034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6402, 0.3189, 0.4724**, and **21.9491, 0.3049, 0.5734** is the 20% darker color. If you saturate the color by 10%, you get **45.4054, 0.3129, 0.5445**, and if you desaturate by 10%, it is **48.0222, 0.3157, 0.4811**.

Distribution



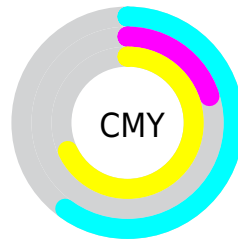
- Red (40%)
- Green (80%)
- Blue (32%)



- Red (32%)
- Yellow (80%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (60%)
- Black (20%)





- Cyan (60%)
- Magenta (20%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5616, 0.3147, 0.5144 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 46.5616, 0.3147, 0.5144 by changing the saturation by 10% instead.


 46.5616, 0.3147,
0.5144


 46.5616, 0.3147,
0.5144

373.0619, 0.3195,
0.4155


 32.6892, 0.3112,
0.5401


 85.0589, 0.3181,
0.4775


 21.8885, 0.3052,
0.5732


 110.4525, 0.3188,
0.4638


 13.7750, 0.2945,
0.6166


 140.4554, 0.3193,
0.4525

 7.9643, 0.2760,
0.6776

 175.4519, 0.3195,
0.4428

 4.0721, 0.2398,
0.7602

 215.8264, 0.3196,
0.4345

 1.7140, 0.0909,
0.9091

261.9633, 0.3196,

 0.4327, 0.0000,

0.4273

1.0000

314.2470, 0.3196,
0.4211

■ 0.0000, 0.0000,
0.0000

■ 46.5616, 0.3147,
0.5144

■ 46.5616, 0.3147,
0.5144

■ 45.4054, 0.3129,
0.5445

■ 48.0222, 0.3157,
0.4811

■ 44.5263, 0.3104,
0.5691

■ 49.8008, 0.3160,
0.4468

■ 43.9015, 0.3073,
0.5863

■ 51.9171, 0.3157,
0.4135

■ 43.4962, 0.3043,
0.5964

■ 54.3874, 0.3150,
0.3823

■ 43.4898, 0.3043,
0.5966

■ 57.2272, 0.3139,
0.3539

■ 60.4508, 0.3127,
0.3285

■ 64.0718, 0.3113,
0.3062

■ 68.1033, 0.3100,
0.2867

■ 71.6657, 0.3151,
0.2792

Harmonies

Analogous

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



46.5616, 0.4068, 0.5038



46.5616, 0.3147, 0.5144



46.5616, 0.2269, 0.4388

Triad

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



46.5616, 0.3147, 0.5144



46.5616, 0.1589, 0.1919



46.5616, 0.4781, 0.3050

Complementary

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



46.5616, 0.3147, 0.5144



20.7063, 0.2976, 0.1817

Split Complementary

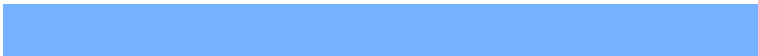
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.5616, 0.3868, 0.2454



46.5616, 0.3147, 0.5144



46.5616, 0.2034, 0.1833

Square

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



46.5616, 0.3147, 0.5144



46.5616, 0.1468, 0.2351



46.5616, 0.2826, 0.2025



46.5616, 0.5117, 0.3724

Rectangle

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



46.5616, 0.3147, 0.5144



46.5616, 0.1834, 0.3604



46.5616, 0.2826, 0.2025



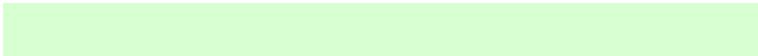
46.5616, 0.4523, 0.2839

Sweetspot

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



46.5636, 0.3147, 0.5144



90.7668, 0.3148, 0.3776



47.5897, 0.4105, 0.4491



19.1503, 0.3151, 0.3864



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.



46.5636, 0.3147, 0.5144



74.6914, 0.3122, 0.5529



46.4016, 0.2831, 0.4589



12.6196, 0.3139, 0.3528



27.3993, 0.3049, 0.5961



1.4408, 0.3162, 0.5872

Inverse Universe

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



20.7063, 0.2976, 0.1817



28.0054, 0.2925, 0.1581



21.5294, 0.3707, 0.2309



11.3117, 0.3113, 0.3060



8.3107, 0.2821, 0.1328



0.4532, 0.2901, 0.1372

Previews

White Background



This preview shows how the Yxy color 46.5616, 0.3147, 0.5144 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 46.5616, 0.3147, 0.5144 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 46.5616, 0.3147, 0.5144

Background



This preview shows how black text looks on a background with the Yxy color 46.5616, 0.3147, 0.5144.



This preview shows how white text looks on a background with the Yxy color 46.5616, 0.3147, 0.5144.

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

46.5616, 0.3147, 0.5144

Protanopia

45.9733, 0.4139, 0.4544

Deuteranopia

45.7900, 0.4297, 0.4208



Tritanopia

46.2022, 0.2556, 0.3067

Trichromacy



Original Color

46.5616, 0.3147, 0.5144



Protanomaly

44.9446, 0.3730, 0.4778



Deuteranomaly

44.4505, 0.3819, 0.4556



Tritanomaly

45.8704, 0.2783, 0.3799

Monochromacy



Original Color

46.5616, 0.3147, 0.5144



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.7019, 0.3155, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5616, 0.3147, 0.5144 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(101, 204, 82)` looks like.

```
.text, #text, p{  
    color:rgb(101, 204, 82)  
}
```

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(101, 204, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 204, 82) }
```

Border

The CSS property to change the border of an element to Yxy 46.5616, 0.3147, 0.5144 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(101, 204, 82) }
```

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

```
.border{ border-color:rgb(101, 204, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 204, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 204, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 204, 82);  
box-shadow:4px 4px 4px 4px rgb(101, 204,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5616, 0.3147, 0.5144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 204, 82) }
```

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

```
.background{ background-color: rgb(101,  
204, 82) }
```

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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