

Converting Colors

$Yxy(46.4234, 0.3247, 0.5372)$

Have a look what the booklet for
Yxy(46.4234, 0.3247, 0.5372)
contains.

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Color

Yxy(46.4062, 0.3247, 0.5375)

Conversions

Conversions Part 1

Format	Color
Hex	67CC3D
RGB	103, 204, 61
RGB Percent	40%, 80%, 24%
CMY	0.5959, 0.2000, 0.7607
CMYK	0.49, 0.00, 0.70, 0.20
HSL	102°, 58%, 52%
HSV	102°, 70%, 80%
XYZ	28.0337, 46.4062, 11.8973
YIQ	157.4990, -14.2930, -65.8850

Conversions

Conversions Part 2

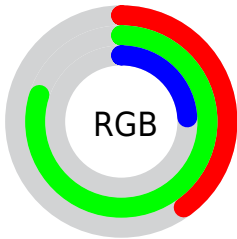
Format	Color
RYB	61, 204, 162
Decimal	6802493
CIELab	73.81, -54.28, 59.23
CIELCh	74, 80.337, 132.504
Yxy	46.4062, 0.3247, 0.5375
Android (android.graphics.Color)	4284992573 (0xFF67CC3D)
YUV	157.4990, -47.5740, -47.7956
Hunter-Lab	68.1221, -45.7572, 37.3307

Details

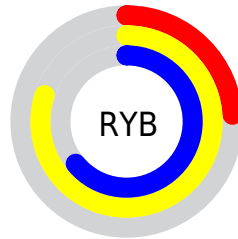
The Yxy color **46.4062, 0.3247, 0.5375** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **15.3774, 0.2706, 0.1515**, and the grayscale version is **34.1852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4623, 0.3291, 0.4921**, and **21.9070, 0.3115, 0.5909** is the 20% darker color. If you saturate the color by 10%, you get **45.4484, 0.3219, 0.5612**, and if you desaturate by 10%, it is **47.5983, 0.3260, 0.5089**.

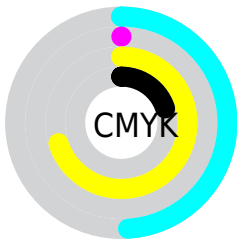
Distribution



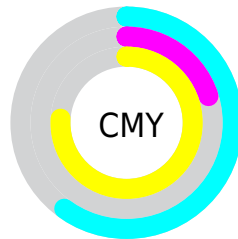
- Red (40%)
- Green (80%)
- Blue (24%)



- Red (24%)
- Yellow (80%)
- Blue (64%)



- Cyan (49%)
- Magenta (0%)
- Yellow (70%)
- Black (20%)




- Cyan (60%)
- Magenta (20%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4062, 0.3247, 0.5375 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 46.4062, 0.3247, 0.5375 by changing the saturation by 10% instead.


 46.4062, 0.3247,
0.5375


 46.4062, 0.3247,
0.5375


372.4393, 0.3266,
0.4272


 32.5665, 0.3210,
0.5653


 84.8266, 0.3277,
0.4968

 21.7946, 0.3141,
0.6002


 110.1760, 0.3281,
0.4816


 13.7060, 0.3014,
0.6445


 140.1309, 0.3281,
0.4689

 7.9165, 0.2839,
0.7161

 175.0754, 0.3280,
0.4580

 4.0416, 0.2330,
0.7670

 215.3942, 0.3277,
0.4487

 1.6968, 0.0701,
0.9299

261.4715, 0.3273,

 0.4216, 0.0000,

0.4406

1.0000

313.6917, 0.3270,
0.4335

■ 0.0000, 0.0000,
0.0000

■ 46.4062, 0.3247,
0.5375

■ 46.4062, 0.3247,
0.5375

■ 45.4484, 0.3219,
0.5612

■ 47.5983, 0.3260,
0.5089

■ 44.7013, 0.3179,
0.5785


■ 49.0342, 0.3258,
0.4773

■ 44.1440, 0.3132,
0.5895


■ 50.7300, 0.3245,
0.4447


■ 52.6983, 0.3223,
0.4127

■ 54.9512, 0.3194,
0.3824

 57.4998, 0.3162,
0.3545

 60.3547, 0.3127,
0.3292

 63.5260, 0.3093,
0.3066

 67.0232, 0.3059,
0.2867

Harmonies

Analogous

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



46.4062, 0.4227, 0.5105



46.4062, 0.3247, 0.5375



46.4062, 0.2286, 0.4662

Triad

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



46.4062, 0.3247, 0.5375



46.4062, 0.1445, 0.1845



46.4062, 0.4841, 0.2928

Complementary

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



46.4062, 0.3247, 0.5375



15.3774, 0.2706, 0.1515

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.



46.4062, 0.3786, 0.2317



46.4062, 0.3247, 0.5375



46.4062, 0.1867, 0.1722

Square

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



46.4062, 0.3247, 0.5375



46.4062, 0.1356, 0.2348



46.4062, 0.2665, 0.1892



46.4062, 0.5288, 0.3630

Rectangle

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



46.4062, 0.3247, 0.5375



46.4062, 0.1794, 0.3791



46.4062, 0.2665, 0.1892



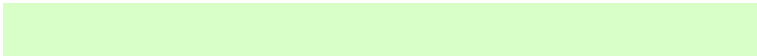
46.4062, 0.4534, 0.2711

Sweetspot

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



46.4082, 0.3247, 0.5375



90.5395, 0.3198, 0.3859



38.7005, 0.4423, 0.4445



19.1488, 0.3206, 0.3942



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.



46.4082, 0.3247, 0.5375



74.6080, 0.3201, 0.5707



44.9088, 0.2908, 0.5151



12.6941, 0.3159, 0.3526



27.8278, 0.3141, 0.5888



1.4751, 0.3293, 0.5767

Inverse Universe

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



15.3774, 0.2706, 0.1515



20.0026, 0.2586, 0.1275



19.2879, 0.3566, 0.2003



11.2317, 0.3092, 0.3058



6.5276, 0.2483, 0.1141



0.3746, 0.2629, 0.1222

Previews

White Background



This preview shows how the Yxy color 46.4062, 0.3247, 0.5375 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 46.4062, 0.3247, 0.5375 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 46.4062, 0.3247, 0.5375

Background



This preview shows how black text looks on a background with the Yxy color 46.4062, 0.3247, 0.5375.

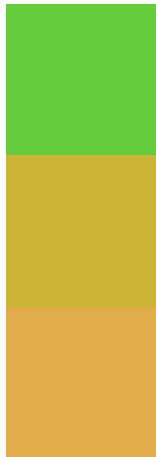


This preview shows how white text looks on a background with the Yxy color 46.4062, 0.3247, 0.5375.

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

46.4062, 0.3247, 0.5375

Protanopia

45.8801, 0.4254, 0.4695

Deuteranopia

45.4542, 0.4447, 0.4346



Tritanopia

45.9503, 0.2578, 0.3068

Trichromacy



Original Color

46.4062, 0.3247, 0.5375



Protanomaly

44.7976, 0.3845, 0.4969



Deuteranomaly

43.9999, 0.3960, 0.4731



Tritanomaly

45.3232, 0.2859, 0.3925

Monochromacy



Original Color

46.4062, 0.3247, 0.5375



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.4933, 0.3218, 0.4106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4062, 0.3247, 0.5375 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(103, 204, 61)` looks like.

```
.text, #text, p{  
    color:rgb(103, 204, 61)  
}
```

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(103, 204, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 204, 61) }
```

Border

The CSS property to change the border of an element to Yxy 46.4062, 0.3247, 0.5375 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(103, 204, 61) }
```

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

```
.border{ border-color:rgb(103, 204, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 204, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 204, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 204, 61);  
box-shadow:4px 4px 4px 4px rgb(103, 204,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4062, 0.3247, 0.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 204, 61) }
```

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

```
.background{ background-color: rgb(103,  
204, 61) }
```

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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