

Converting Colors

$Y_{xy}(46.9225, 0.3300, 0.5477)$

Have a look what the booklet for
Yxy(46.9225, 0.3300, 0.5477)
contains.

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Color

Yxy(46.8877, 0.3297, 0.5480)

Conversions

Conversions Part 1

Format	Color
Hex	69CD31
RGB	105, 205, 49
RGB Percent	41%, 80%, 19%
CMY	0.5883, 0.1961, 0.8080
CMYK	0.49, 0.00, 0.76, 0.20
HSL	98°, 61%, 50%
HSV	98°, 76%, 80%
XYZ	28.2096, 46.8877, 10.4642
YIQ	157.3160, -9.5240, -69.7160

Conversions

Conversions Part 2

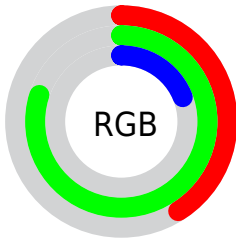
Format	Color
R_{YB}	49, 205, 149
Decimal	6933809
CIE _{Lab}	74.12, -54.92, 63.77
CIE _{LCh}	74, 84.155, 130.737
Yxy	46.8877, 0.3297, 0.5480
Android (android.graphics.Color)	4285123889 (0xFF69CD31)
YUV	157.3160, -53.3998, -45.8811
Hunter-Lab	68.4746, -46.2935, 38.8716

Details

The Yxy color **46.8877, 0.3297, 0.5480** 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 **12.9891, 0.2540, 0.1346**, and the grayscale version is **34.1132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4531, 0.3345, 0.5014**, and **22.2440, 0.3118, 0.5906** is the 20% darker color. If you saturate the color by 10%, you get **46.0193, 0.3262, 0.5676**, and if you desaturate by 10%, it is **47.9617, 0.3315, 0.5228**.

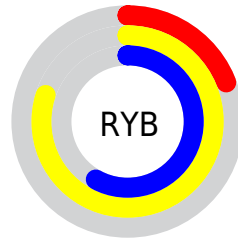
Distribution



Red (41%)

Green (80%)

Blue (19%)



Red (19%)

Yellow (80%)

Blue (58%)

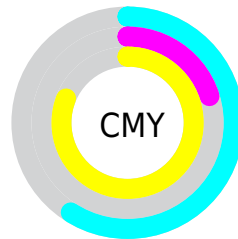


Cyan (49%)

Magenta (0%)

Yellow (76%)

Black (20%)



Cyan (59%)


Magenta (20%)

Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8877, 0.3297, 0.5480 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 46.8877, 0.3297, 0.5480 by changing the saturation by 10% instead.


 46.8877, 0.3297,
0.5480

 46.8877, 0.3297,
0.5480


 374.3661, 0.3303,
0.4331


 32.9469, 0.3258,
0.5763


 85.5460, 0.3326,
0.5060


 22.0858, 0.3184,
0.6114


 111.0322, 0.3328,
0.4902


 13.9199, 0.3046,
0.6549


 141.1357, 0.3327,
0.4769

 8.0650, 0.2828,
0.7172

 176.2409, 0.3324,
0.4655

 4.1366, 0.2320,
0.7680

 216.7321, 0.3319,
0.4557

 1.7502, 0.0764,
0.9236

 262.9938, 0.3314,

 0.4559, 0.0000,

0.4472

1.0000

315.4103, 0.3309,
0.4397

■ 0.0000, 0.0000,
0.0000

■ 46.8877, 0.3297,
0.5480

■ 46.8877, 0.3297,
0.5480

■ 46.0193, 0.3262,
0.5676

■ 47.9617, 0.3315,
0.5228

■ 45.3330, 0.3212,
0.5807

■ 49.2500, 0.3316,
0.4937

■ 45.1060, 0.3192,
0.5847

■ 50.7678, 0.3301,
0.4624

■ 52.5268, 0.3275,
0.4307

■ 54.5382, 0.3239,
0.3999

■ 56.8121, 0.3198,
0.3708

■ 59.3583, 0.3155,
0.3441

■ 62.1857, 0.3110,
0.3199

■ 65.3032, 0.3066,
0.2983

Harmonies

Analogous

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



46.8877, 0.4304, 0.5124



46.8877, 0.3297, 0.5480



46.8877, 0.2298, 0.4804

Triad

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



46.8877, 0.3297, 0.5480



46.8877, 0.1379, 0.1812



46.8877, 0.4863, 0.2868

Complementary

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



46.8877, 0.3297, 0.5480



12.9891, 0.2540, 0.1346

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.



46.8877, 0.3738, 0.2250



46.8877, 0.3297, 0.5480



46.8877, 0.1788, 0.1670

Square

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



46.8877, 0.3297, 0.5480



46.8877, 0.1305, 0.2350



46.8877, 0.2585, 0.1829



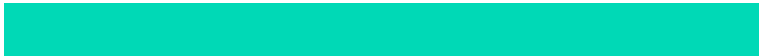
46.8877, 0.5367, 0.3579

Rectangle

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



46.8877, 0.3297, 0.5480



46.8877, 0.1779, 0.3893



46.8877, 0.2585, 0.1829



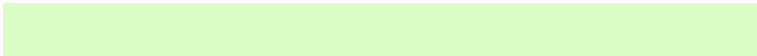
46.8877, 0.4531, 0.2647

Sweetspot

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



46.8897, 0.3297, 0.5480



90.3358, 0.3228, 0.3914



34.3154, 0.4640, 0.4387



19.0576, 0.3243, 0.4024



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.



46.8897, 0.3297, 0.5480



74.6621, 0.3233, 0.5763



44.7570, 0.2948, 0.5453



12.7297, 0.3169, 0.3526



28.1271, 0.3202, 0.5839



1.4935, 0.3360, 0.5714

Inverse Universe

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



12.9891, 0.2540, 0.1346



16.5658, 0.2388, 0.1121



18.6426, 0.3467, 0.1849



11.1945, 0.3081, 0.3058



5.8228, 0.2331, 0.1058



0.3421, 0.2504, 0.1153

Previews

White Background



This preview shows how the Yxy color 46.8877, 0.3297, 0.5480 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 46.8877, 0.3297, 0.5480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

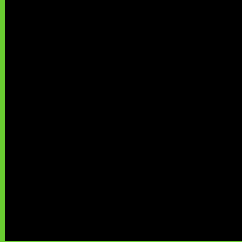
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8877, 0.3297, 0.5480

Background



This preview shows how black text looks on a background with the Yxy color 46.8877, 0.3297, 0.5480.



This preview shows how white text looks on a background with the Yxy color 46.8877, 0.3297, 0.5480.

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

46.8877, 0.3297, 0.5480

Protanopia

45.9187, 0.4311, 0.4760

Deuteranopia

46.0327, 0.4514, 0.4420



Tritanopia

46.5431, 0.2592, 0.3083

Trichromacy



Original Color

46.8877, 0.3297, 0.5480

Protanomaly

45.2319, 0.3894, 0.5058

Deuteranomaly

44.5316, 0.4027, 0.4821

Tritanomaly

45.7874, 0.2899, 0.3999

Monochromacy



Original Color

46.8877, 0.3297, 0.5480

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

36.9834, 0.3259, 0.4173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8877, 0.3297, 0.5480 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, 205, 49)` looks like.

```
.text, #text, p{  
    color:rgb(105, 205, 49)  
}
```

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, 205, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 205, 49) }
```

Border

The CSS property to change the border of an element to Yxy 46.8877, 0.3297, 0.5480 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, 205, 49) }
```

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

```
.border{ border-color:rgb(105, 205, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 205, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 205, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 205, 49);  
box-shadow:4px 4px 4px 4px rgb(105, 205,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8877, 0.3297, 0.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 205, 49) }
```

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

```
.background{ background-color: rgb(105,  
205, 49) }
```

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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