

Converting Colors

$Yxy(46.3010, 0.3273, 0.4506)$

Have a look what the booklet for
Yxy(46.3010, 0.3273, 0.4506)
contains.

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Color

Yxy(46.3348, 0.3278, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	8DC471
RGB	141, 196, 113
RGB Percent	55%, 77%, 44%
CMY	0.4470, 0.2314, 0.5569
CMYK	0.28, 0.00, 0.42, 0.23
HSL	100°, 41%, 61%
HSV	100°, 42%, 77%
XYZ	33.7074, 46.3348, 22.7869
YIQ	170.0930, -6.1370, -37.4730

Conversions

Conversions Part 2

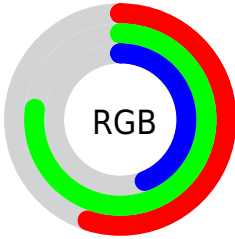
Format	Color
RYB	113, 196, 168
Decimal	9290865
CIELab	73.76, -32.99, 36.02
CIELCh	74, 48.846, 132.487
Yxy	46.3348, 0.3278, 0.4506
Android (android.graphics.Color)	4287480945 (0xFF8DC471)
YUV	170.0930, -28.1468, -25.5146
Hunter-Lab	68.0697, -30.7306, 27.8009

Details

The Yxy color **46.3348, 0.3278, 0.4506** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.1158, 0.2876, 0.2166**, and the grayscale version is **40.3952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7395, 0.3263, 0.4268**, and **21.7796, 0.3279, 0.4893** is the 20% darker color. If you saturate the color by 10%, you get **44.8697, 0.3295, 0.4824**, and if you desaturate by 10%, it is **48.0327, 0.3251, 0.4189**.

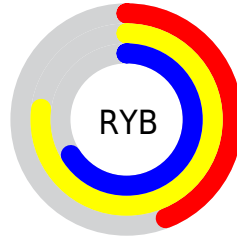
Distribution



Red (55%)

Green (77%)

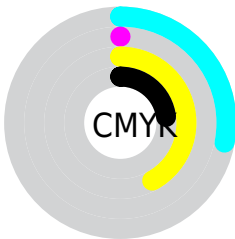
Blue (44%)



Red (44%)

Yellow (77%)

Blue (66%)

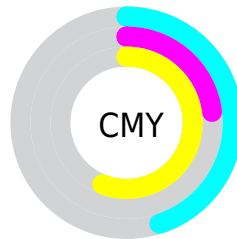


Cyan (28%)

Magenta (0%)

Yellow (42%)

Black (23%)



Cyan (45%)


Magenta (23%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3348, 0.3278, 0.4506 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 46.3348, 0.3278, 0.4506 by changing the saturation by 10% instead.


 46.3348, 0.3278,
0.4506


 46.3348, 0.3278,
0.4506

372.1530, 0.3226,
0.3867


 32.5101, 0.3282,
0.4673


 84.7198, 0.3266,
0.4268


 21.7514, 0.3280,
0.4890


 110.0490, 0.3259,
0.4180

 13.6744, 0.3265,
0.5182


 139.9817, 0.3253,
0.4107

 7.8945, 0.3220,
0.5591

 174.9024, 0.3246,
0.4044

 4.0275, 0.3155,
0.6304

215.1955, 0.3241,
0.3991

 1.6890, 0.2756,
0.7244

261.2454, 0.3235,

 0.4165, 0.0000,

0.3944

1.0000

313.4364, 0.3230,
0.3903

■ 0.0000, 0.0000,
0.0000

■ 46.3348, 0.3278,
0.4506

■ 46.3348, 0.3278,
0.4506

■ 44.8697, 0.3295,
0.4824

■ 48.0327, 0.3251,
0.4189

■ 43.6205, 0.3298,
0.5129

■ 49.9673, 0.3216,
0.3886

■ 42.5775, 0.3285,
0.5400

■ 52.1500, 0.3178,
0.3604


■ 41.7276, 0.3255,
0.5621

■ 54.5897, 0.3137,
0.3347

■ 41.0557, 0.3211,
0.5779

■ 57.2947, 0.3096,
0.3115

 40.6447, 0.3173,
0.5863

 60.2730, 0.3055,
0.2909

 63.5323, 0.3016,
0.2727

 66.0901, 0.3079,
0.2699

 67.9600, 0.3154,
0.2712

Harmonies

Analogous

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



46.3348, 0.3913, 0.4474



46.3348, 0.3278, 0.4506



46.3348, 0.2636, 0.4075

Triad

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



46.3348, 0.3278, 0.4506



46.3348, 0.1994, 0.2356



46.3348, 0.4173, 0.3098

Complementary

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



46.3348, 0.3278, 0.4506



24.1158, 0.2876, 0.2166

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.



46.3348, 0.3549, 0.2655



46.3348, 0.3278, 0.4506



46.3348, 0.2306, 0.2238

Square

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



46.3348, 0.3278, 0.4506



46.3348, 0.1941, 0.2737



46.3348, 0.2856, 0.2350



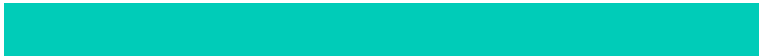
46.3348, 0.4479, 0.3608

Rectangle

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



46.3348, 0.3278, 0.4506



46.3348, 0.2291, 0.3612



46.3348, 0.2856, 0.2350



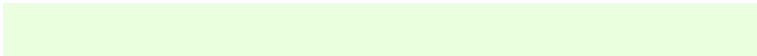
46.3348, 0.3990, 0.2939

Sweetspot

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



46.3368, 0.3278, 0.4506



94.1169, 0.3181, 0.3627



40.5462, 0.3898, 0.3996



19.9485, 0.3190, 0.3689



0.0000, 0.0000, 0.0000



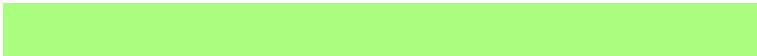
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3368, 0.3278, 0.4506



81.4194, 0.3294, 0.4807



44.4823, 0.2989, 0.4391



11.4204, 0.3166, 0.3524



26.1587, 0.3182, 0.5855



1.1685, 0.3365, 0.5710

Inverse Universe

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



24.1158, 0.2876, 0.2166



35.7361, 0.2799, 0.1914



26.9863, 0.3310, 0.2397



10.0717, 0.3085, 0.3059



5.6498, 0.2382, 0.1086



0.2807, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 46.3348, 0.3278, 0.4506 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 46.3348, 0.3278, 0.4506 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 46.3348, 0.3278, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 46.3348, 0.3278, 0.4506.



This preview shows how white text looks on a background with the Yxy color 46.3348, 0.3278, 0.4506.

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

46.3348, 0.3278, 0.4506

Protanopia

46.1151, 0.3890, 0.4225

Deuteranopia

45.9469, 0.4026, 0.3950



Tritanopia

46.3034, 0.2776, 0.3088

Trichromacy



Original Color

46.3348, 0.3278, 0.4506

Protanomaly

45.5690, 0.3653, 0.4329

Deuteranomaly

45.1275, 0.3735, 0.4145

Tritanomaly

46.1755, 0.2963, 0.3586

Monochromacy



Original Color

46.3348, 0.3278, 0.4506

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7811, 0.3194, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3348, 0.3278, 0.4506 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(141, 196, 113)` looks like.

```
.text, #text, p{  
    color:rgb(141, 196, 113)  
}
```

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(141, 196, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 196, 113) }
```

Border

The CSS property to change the border of an element to Yxy 46.3348, 0.3278, 0.4506 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(141, 196, 113) }
```

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

```
.border{ border-color:rgb(141, 196, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 196, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 196, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 196, 113); box-shadow:4px 4px 4px 4px rgb(141, 196, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3348, 0.3278, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 196, 113) }
```

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

```
.background{ background-color: rgb(141,  
196, 113) }
```

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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