

Converting Colors

$Yxy(45.9555, 0.3345, 0.4471)$

Have a look what the booklet for
Yxy(45.9555, 0.3345, 0.4471)
contains.

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Color

Yxy(46.0493, 0.3346, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	94C270
RGB	148, 194, 112
RGB Percent	58%, 76%, 44%
CMY	0.4198, 0.2392, 0.5607
CMYK	0.24, 0.00, 0.42, 0.24
HSL	94°, 40%, 60%
HSV	94°, 42%, 76%
XYZ	34.4238, 46.0493, 22.4074
YIQ	170.8980, -1.0940, -35.2540

Conversions

Conversions Part 2

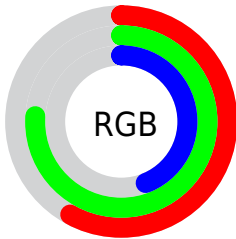
Format	Color
RYB	112, 194, 158
Decimal	9749104
CIELab	73.58, -29.71, 36.36
CIELCh	74, 46.955, 129.244
Yxy	46.0493, 0.3346, 0.4476
Android (android.graphics.Color)	4287939184 (0xFF94C270)
YUV	170.8980, -29.0367, -20.0815
Hunter-Lab	67.8596, -28.2050, 27.9241

Details

The Yxy color **46.0493, 0.3346, 0.4476** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.7641, 0.2789, 0.2142**, and the grayscale version is **40.8171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4075, 0.3317, 0.4247**, and **21.5369, 0.3369, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **44.6961, 0.3377, 0.4780**, and if you desaturate by 10%, it is **47.5953, 0.3303, 0.4171**.

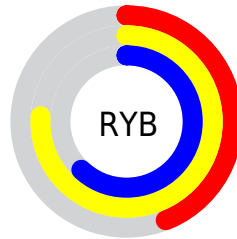
Distribution



Red (58%)

Green (76%)

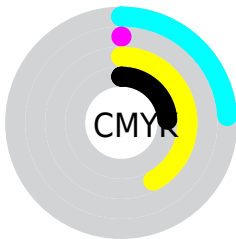
Blue (44%)



Red (44%)

Yellow (76%)

Blue (62%)

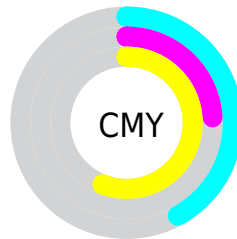


Cyan (24%)

Magenta (0%)

Yellow (42%)

Black (24%)



Cyan (42%)


Magenta (24%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0493, 0.3346, 0.4476 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 46.0493, 0.3346, 0.4476 by changing the saturation by 10% instead.


 46.0493, 0.3346,
0.4476

 46.0493, 0.3346,
0.4476

371.0068, 0.3259,
0.3856

 32.2847, 0.3359,
0.4637


 84.2928, 0.3321,
0.4245


 21.5791, 0.3368,
0.4846


 109.5405, 0.3309,
0.4160

 13.5479, 0.3369,
0.5126


 139.3847, 0.3299,
0.4089

 7.8069, 0.3346,
0.5515

 174.2097, 0.3289,
0.4028

 3.9717, 0.3324,
0.6208

214.4001, 0.3280,
0.3976

 1.6577, 0.2979,
0.7021

260.3401, 0.3272,

 0.3961, 0.0000,

0.3930

1.0000

312.4142, 0.3265,
0.3891

■ 0.0000, 0.0000,
0.0000

■ 46.0493, 0.3346,
0.4476

■ 46.0493, 0.3346,
0.4476

■ 44.6961, 0.3377,
0.4780

■ 47.5953, 0.3303,
0.4171

■ 43.5210, 0.3393,
0.5069

■ 49.3361, 0.3252,
0.3877

■ 42.5166, 0.3390,
0.5326


■ 51.2812, 0.3197,
0.3600


■ 41.6722, 0.3367,
0.5537

■ 53.4378, 0.3140,
0.3345

■ 40.9755, 0.3325,
0.5690


■ 55.8124, 0.3083,
0.3113

 40.5223, 0.3284,
0.5775

 58.4115, 0.3028,
0.2905

 61.2413, 0.2976,
0.2719

 63.4947, 0.3008,
0.2665

 65.4083, 0.3088,
0.2680

Harmonies

Analogous

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



46.0493, 0.3948, 0.4407



46.0493, 0.3346, 0.4476



46.0493, 0.2717, 0.4107

Triad

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



46.0493, 0.3346, 0.4476



46.0493, 0.2012, 0.2416



46.0493, 0.4081, 0.3056

Complementary

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



46.0493, 0.3346, 0.4476



22.7641, 0.2789, 0.2142

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.



46.0493, 0.3462, 0.2636



46.0493, 0.3346, 0.4476



46.0493, 0.2289, 0.2273

Square

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



46.0493, 0.3346, 0.4476



46.0493, 0.1989, 0.2815



46.0493, 0.2800, 0.2358



46.0493, 0.4417, 0.3548

Rectangle

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



46.0493, 0.3346, 0.4476



46.0493, 0.2368, 0.3677



46.0493, 0.2800, 0.2358



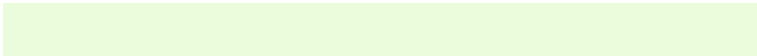
46.0493, 0.3895, 0.2904

Sweetspot

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



46.0513, 0.3346, 0.4476



92.5467, 0.3202, 0.3625



36.7939, 0.3941, 0.3893



20.0877, 0.3215, 0.3686



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.



46.0513, 0.3346, 0.4476



81.0706, 0.3376, 0.4766



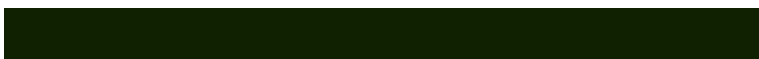
43.2988, 0.3041, 0.4519



11.4699, 0.3181, 0.3523



26.6851, 0.3293, 0.5767



1.1937, 0.3474, 0.5624

Inverse Universe

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



22.7641, 0.2789, 0.2142



33.1354, 0.2687, 0.1871



26.7769, 0.3219, 0.2309



10.0207, 0.3069, 0.3058



4.7464, 0.2159, 0.0963



0.2453, 0.2388, 0.1089

Previews

White Background



This preview shows how the Yxy color 46.0493, 0.3346, 0.4476 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 46.0493, 0.3346, 0.4476 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 46.0493, 0.3346, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 46.0493, 0.3346, 0.4476.



This preview shows how white text looks on a background with the Yxy color 46.0493, 0.3346, 0.4476.

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

46.0493, 0.3346, 0.4476

Protanopia

45.5744, 0.3887, 0.4217

Deuteranopia

45.5411, 0.4040, 0.3950



Tritanopia

45.9816, 0.2832, 0.3090

Trichromacy



Original Color

46.0493, 0.3346, 0.4476

Protanomaly

45.3858, 0.3676, 0.4311

Deuteranomaly

45.0868, 0.3776, 0.4137

Tritanomaly

45.8244, 0.3024, 0.3584

Monochromacy



Original Color

46.0493, 0.3346, 0.4476

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2287, 0.3221, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0493, 0.3346, 0.4476 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(148, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(148, 194, 112)  
}
```

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(148, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 194, 112) }
```

Border

The CSS property to change the border of an element to Yxy 46.0493, 0.3346, 0.4476 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(148, 194, 112) }
```

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

```
.border{ border-color:rgb(148, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 194, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 194, 112); box-shadow:4px 4px 4px 4px rgb(148, 194, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0493, 0.3346, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 194, 112) }
```

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

```
.background{ background-color: rgb(148,  
194, 112) }
```

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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