

Converting Colors

$Yxy(46.2771, 0.3293, 0.4382)$

Have a look what the booklet for
Yxy(46.2771, 0.3293, 0.4382)
contains.

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Color

Yxy(46.1185, 0.3291, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	93C277
RGB	147, 194, 119
RGB Percent	58%, 76%, 47%
CMY	0.4236, 0.2392, 0.5334
CMYK	0.24, 0.00, 0.39, 0.24
HSL	98°, 38%, 61%
HSV	98°, 39%, 76%
XYZ	34.6521, 46.1185, 24.5228
YIQ	171.3970, -3.9370, -33.2890

Conversions

Conversions Part 2

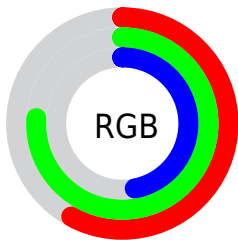
Format	Color
RYB	119, 194, 166
Decimal	9683575
CIELab	73.62, -29.11, 32.84
CIELCh	74, 43.884, 131.559
Yxy	46.1185, 0.3291, 0.4380
Android (android.graphics.Color)	4287873655 (0xFF93C277)
YUV	171.3970, -25.8317, -21.3962
Hunter-Lab	67.9106, -27.7622, 26.1275

Details

The Yxy color **46.1185, 0.3291, 0.4380** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.1927, 0.2876, 0.2260**, and the grayscale version is **41.0681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5295, 0.3271, 0.4171**, and **21.5655, 0.3302, 0.4726** is the 20% darker color. If you saturate the color by 10%, you get **44.6358, 0.3317, 0.4695**, and if you desaturate by 10%, it is **47.8191, 0.3255, 0.4071**.

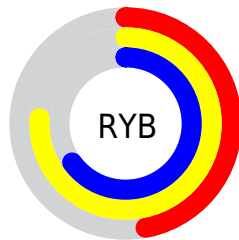
Distribution



Red (58%)

Green (76%)

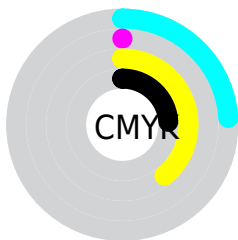
Blue (47%)



Red (47%)

Yellow (76%)

Blue (65%)

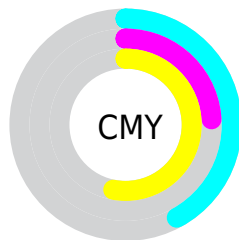


Cyan (24%)

Magenta (0%)

Yellow (39%)

Black (24%)



Cyan (42%)


Magenta (24%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1185, 0.3291, 0.4380 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 46.1185, 0.3291, 0.4380 by changing the saturation by 10% instead.


 46.1185, 0.3291,
0.4380

 46.1185, 0.3291,
0.4380


 371.2849, 0.3227,
0.3809

 32.3393, 0.3299,
0.4529


 84.3963, 0.3273,
0.4167


 21.6208, 0.3305,
0.4723


 109.6638, 0.3265,
0.4089


 13.5786, 0.3304,
0.4985


 139.5294, 0.3257,
0.4023

 7.8281, 0.3281,
0.5355

 174.3777, 0.3250,
0.3968

 3.9852, 0.3228,
0.5949

 214.5930, 0.3243,
0.3920

 1.6653, 0.3026,
0.6974

 260.5597, 0.3238,

 0.4010, 0.0000,

0.3878

1.0000

312.6622, 0.3232,
0.3842

0.0000, 0.0000,
0.0000

46.1185, 0.3291,
0.4380

46.1185, 0.3291,
0.4380

44.6358, 0.3317,
0.4695

47.8191, 0.3255,
0.4071

43.3556, 0.3330,
0.5001

49.7406, 0.3213,
0.3778

42.2695, 0.3327,
0.5281


51.8931, 0.3168,
0.3506


41.3661, 0.3305,
0.5519


54.2846, 0.3121,
0.3259


40.6325, 0.3267,
0.5699


56.9225, 0.3075,
0.3036

 40.0498, 0.3216,
0.5819

 59.8140, 0.3030,
0.2838

 39.9808, 0.3210,
0.5834

 62.9658, 0.2987,
0.2663

 65.0862, 0.3075,
0.2678

 67.0668, 0.3155,
0.2693

Harmonies

Analogous

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



46.1185, 0.3863, 0.4355



46.1185, 0.3291, 0.4380



46.1185, 0.2705, 0.4006

Triad

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



46.1185, 0.3291, 0.4380



46.1185, 0.2088, 0.2452



46.1185, 0.4054, 0.3108

Complementary

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



46.1185, 0.3291, 0.4380



25.1927, 0.2876, 0.2260

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.



46.1185, 0.3491, 0.2702



46.1185, 0.3291, 0.4380



46.1185, 0.2370, 0.2331

Square

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



46.1185, 0.3291, 0.4380



46.1185, 0.2048, 0.2812



46.1185, 0.2867, 0.2425



46.1185, 0.4342, 0.3576

Rectangle

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



46.1185, 0.3291, 0.4380



46.1185, 0.2385, 0.3602



46.1185, 0.2867, 0.2425



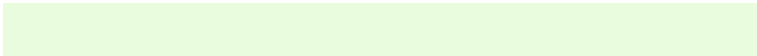
46.1185, 0.3887, 0.2962

Sweetspot

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



46.1205, 0.3291, 0.4380



92.5880, 0.3184, 0.3599



39.8019, 0.3833, 0.3904



20.1609, 0.3190, 0.3635



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.



46.1205, 0.3291, 0.4380



81.3546, 0.3313, 0.4634



44.0593, 0.3016, 0.4317



11.4379, 0.3171, 0.3524



26.3273, 0.3219, 0.5826



1.1769, 0.3402, 0.5681

Inverse Universe

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



25.1927, 0.2876, 0.2260



38.3262, 0.2806, 0.2036



28.1740, 0.3264, 0.2444



10.0536, 0.3079, 0.3059



5.3091, 0.2300, 0.1041



0.2676, 0.2505, 0.1154

Previews

White Background



This preview shows how the Yxy color 46.1185, 0.3291, 0.4380 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 46.1185, 0.3291, 0.4380 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 46.1185, 0.3291, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 46.1185, 0.3291, 0.4380.



This preview shows how white text looks on a background with the Yxy color 46.1185, 0.3291, 0.4380.

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

46.1185, 0.3291, 0.4380

Protanopia

45.5932, 0.3822, 0.4137

Deuteranopia

45.7894, 0.3955, 0.3886



Tritanopia

45.7754, 0.2817, 0.3089

Trichromacy



Original Color

46.1185, 0.3291, 0.4380

Protanomaly

45.4239, 0.3614, 0.4224

Deuteranomaly

45.4000, 0.3696, 0.4065

Tritanomaly

45.8373, 0.2994, 0.3542

Monochromacy



Original Color

46.1185, 0.3291, 0.4380

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.1886, 0.3196, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1185, 0.3291, 0.4380 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(147, 194, 119)` looks like.

```
.text, #text, p{  
    color:rgb(147, 194, 119)  
}
```

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(147, 194, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 194, 119) }
```

Border

The CSS property to change the border of an element to Yxy 46.1185, 0.3291, 0.4380 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(147, 194, 119) }
```

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

```
.border{ border-color:rgb(147, 194, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 194, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 194, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 194, 119);  
box-shadow:4px 4px 4px 4px rgb(147, 194,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1185, 0.3291, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 194, 119) }
```

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

```
.background{ background-color: rgb(147,  
194, 119) }
```

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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