

Converting Colors

$Yxy(46.2455, 0.2965, 0.4118)$

Have a look what the booklet for
Yxy(46.2455, 0.2965, 0.4118)
contains.

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Color

Yxy(46.2455, 0.2965, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	7DC58E
RGB	125, 197, 142
RGB Percent	49%, 77%, 56%
CMY	0.5101, 0.2274, 0.4432
CMYK	0.37, 0.00, 0.28, 0.23
HSL	134°, 38%, 63%
HSV	134°, 37%, 77%
XYZ	33.2972, 46.2455, 32.7582
YIQ	169.2020, -25.2570, -32.3690

Conversions

Conversions Part 2

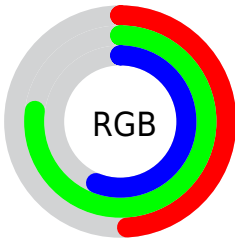
Format	Color
RYB	125, 183, 197
Decimal	8242574
CIELab	73.70, -34.18, 20.65
CIELCh	74, 39.937, 148.866
Yxy	46.2455, 0.2965, 0.4118
Android (android.graphics.Color)	4286432654 (0xFF7DC58E)
YUV	169.2020, -13.4106, -38.7652
Hunter-Lab	68.0040, -31.6071, 19.0423

Details

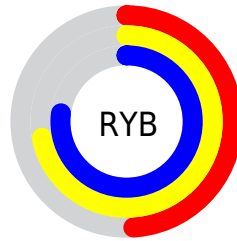
The Yxy color **46.2455, 0.2965, 0.4118** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.8141, 0.3347, 0.2586**, and the grayscale version is **39.8509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5724, 0.3002, 0.3953**, and **21.7780, 0.2905, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **44.4883, 0.2929, 0.4395**, and if you desaturate by 10%, it is **48.3616, 0.3007, 0.3860**.

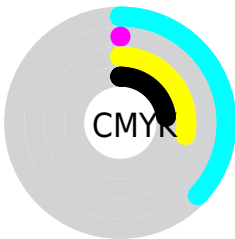
Distribution



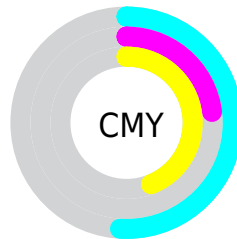
- Red (49%)
- Green (77%)
- Blue (56%)



- Red (49%)
- Yellow (72%)
- Blue (77%)



- Cyan (37%)
- Magenta (0%)
- Yellow (28%)
- Black (23%)




- Cyan (51%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2455, 0.2965, 0.4118 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 46.2455, 0.2965, 0.4118 by changing the saturation by 10% instead.

 46.2455, 0.2965,
0.4118


 46.2455, 0.2965,
0.4118


371.7948, 0.3057,
0.3683


 32.4396, 0.2938,
0.4234


 84.5863, 0.3001,
0.3955

 21.6975, 0.2902,
0.4386


 109.8900, 0.3014,
0.3895

 13.6348, 0.2848,
0.4596


 139.7950, 0.3024,
0.3845

 7.8671, 0.2765,
0.4901

174.6858, 0.3033,
0.3803

 4.0100, 0.2622,
0.5382

214.9468, 0.3040,
0.3766

 1.6792, 0.2435,
0.6730

260.9624, 0.3047,

 0.4101, 0.0000,

0.3735

1.0000

313.1169, 0.3052,
0.3707

0.0000, 0.0000,
0.0000

46.2455, 0.2965,
0.4118

46.2455, 0.2965,
0.4118

44.4883, 0.2929,
0.4395

48.3616, 0.3007,
0.3860

43.0642, 0.2902,
0.4683

50.8490, 0.3051,
0.3625

41.9532, 0.2886,
0.4971


53.7268, 0.3097,
0.3415

41.1308, 0.2883,
0.5243

57.0109, 0.3143,
0.3229


40.5684, 0.2895,
0.5485

60.7164, 0.3187,
0.3067

 40.2296, 0.2920,
0.5683

 64.8577, 0.3229,
0.2926

 40.1428, 0.2928,
0.5740

 67.9316, 0.3209,
0.2794

 68.4204, 0.3154,
0.2722

Harmonies

Analogous

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



46.2455, 0.3514, 0.4311



46.2455, 0.2965, 0.4118



46.2455, 0.2485, 0.3626

Triad

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



46.2455, 0.2965, 0.4118



46.2455, 0.2297, 0.2431



46.2455, 0.4160, 0.3375

Complementary

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



46.2455, 0.2965, 0.4118



29.8141, 0.3347, 0.2586

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.



46.2455, 0.3774, 0.2957



46.2455, 0.2965, 0.4118



46.2455, 0.2678, 0.2435

Square

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



46.2455, 0.2965, 0.4118



46.2455, 0.2128, 0.2640



46.2455, 0.3215, 0.2624



46.2455, 0.4231, 0.3809

Rectangle

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



46.2455, 0.2965, 0.4118



46.2455, 0.2264, 0.3243



46.2455, 0.3215, 0.2624



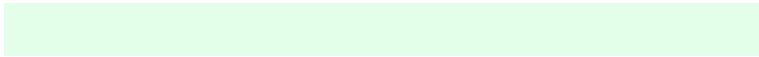
46.2455, 0.4062, 0.3230

Sweetspot

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



46.2474, 0.2965, 0.4118



93.7597, 0.3076, 0.3508



51.1460, 0.3524, 0.4238



19.9172, 0.3070, 0.3537



0.0000, 0.0000, 0.0000



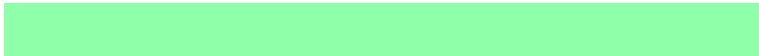
21.4041, 0.3127, 0.3290

Same Dimension

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



46.2474, 0.2965, 0.4118



80.2199, 0.2935, 0.4341



47.5007, 0.2735, 0.3566



11.9284, 0.3084, 0.3471



26.4095, 0.2922, 0.5719



1.2622, 0.2806, 0.5300

Inverse Universe

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



29.8141, 0.3347, 0.2586



46.4708, 0.3411, 0.2435



28.5390, 0.3765, 0.3035



10.7720, 0.3173, 0.3115



9.2773, 0.3908, 0.1927



0.4500, 0.3734, 0.1830

Previews

White Background



This preview shows how the Yxy color 46.2455, 0.2965, 0.4118 looks on a white background.

Color Contrast Check

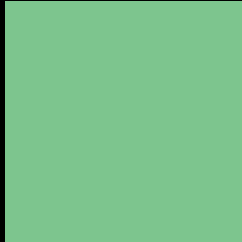
Large Text (above 18pt) WCAG AA × Fail

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 46.2455, 0.2965, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

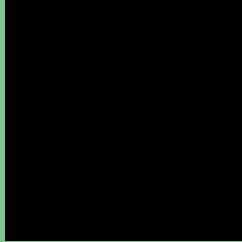
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2455, 0.2965, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 46.2455, 0.2965, 0.4118.

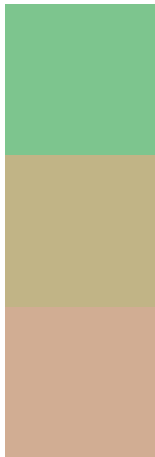


This preview shows how white text looks on a background with the Yxy color 46.2455, 0.2965, 0.4118.

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

46.2455, 0.2965, 0.4118

Protanopia

45.7012, 0.3629, 0.3891

Deuteranopia

45.5490, 0.3691, 0.3615



Tritanopia

46.1581, 0.2644, 0.3084

Trichromacy



Original Color

46.2455, 0.2965, 0.4118

Protanomaly

45.2488, 0.3357, 0.3974

Deuteranomaly

44.9652, 0.3392, 0.3794

Tritanomaly

46.0220, 0.2760, 0.3446

Monochromacy



Original Color

46.2455, 0.2965, 0.4118

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.5157, 0.3062, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2455, 0.2965, 0.4118 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(125, 197, 142)` looks like.

```
.text, #text, p{  
    color:rgb(125, 197, 142)  
}
```

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(125, 197, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 197, 142) }
```

Border

The CSS property to change the border of an element to Yxy 46.2455, 0.2965, 0.4118 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(125, 197, 142) }
```

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

```
.border{ border-color:rgb(125, 197, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 197, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 197, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 197, 142);  
box-shadow:4px 4px 4px 4px rgb(125, 197,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2455, 0.2965, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 197, 142) }
```

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

```
.background{ background-color: rgb(125,  
197, 142) }
```

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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