

Converting Colors

$Yxy(46.2216, 0.3148, 0.4713)$

Have a look what the booklet for
Yxy(46.2216, 0.3148, 0.4713)
contains.

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Color

Yxy(46.2711, 0.3147, 0.4718)

Conversions

Conversions Part 1

Format	Color
Hex	77C86A
RGB	119, 200, 106
RGB Percent	47%, 78%, 42%
CMY	0.5333, 0.2157, 0.5843
CMYK	0.40, 0.00, 0.47, 0.22
HSL	112°, 46%, 60%
HSV	112°, 47%, 78%
XYZ	30.8637, 46.2711, 20.9387
YIQ	165.0650, -18.1020, -46.4060

Conversions

Conversions Part 2

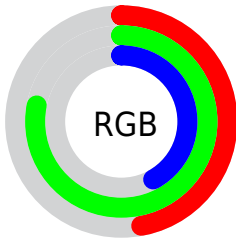
Format	Color
RYB	106, 200, 187
Decimal	7850090
CIELab	73.72, -43.06, 39.25
CIELCh	74, 58.265, 137.650
Yxy	46.2711, 0.3147, 0.4718
Android (android.graphics.Color)	4286040170 (0xFF77C86A)
YUV	165.0650, -29.1190, -40.3990
Hunter-Lab	68.0229, -38.0499, 29.3654

Details

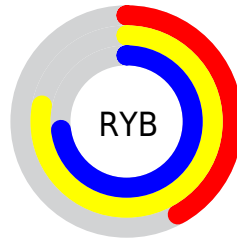
The Yxy color **46.2711, 0.3147, 0.4718** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.0421, 0.3039, 0.2110**, and the grayscale version is **37.8097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1372, 0.3166, 0.4410**, and **21.6263, 0.3098, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **44.7935, 0.3138, 0.5058**, and if you desaturate by 10%, it is **48.0707, 0.3150, 0.4375**.

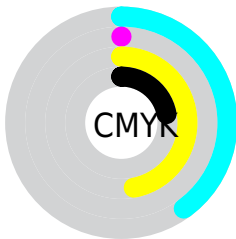
Distribution



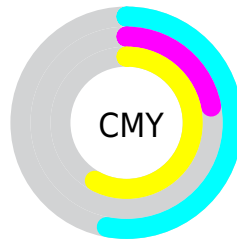
- Red (47%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2711, 0.3147, 0.4718 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 46.2711, 0.3147, 0.4718 by changing the saturation by 10% instead.


 46.2711, 0.3147,
0.4718


 46.2711, 0.3147,
0.4718


371.8975, 0.3170,
0.3959

 32.4598, 0.3129,
0.4919


 84.6246, 0.3164,
0.4433


 21.7129, 0.3096,
0.5181


 109.9355, 0.3168,
0.4329

 13.6461, 0.3038,
0.5535


 139.8485, 0.3170,
0.4242

 7.8750, 0.2924,
0.6030

 174.7479, 0.3171,
0.4168

 4.0150, 0.2793,
0.7006

215.0181, 0.3171,
0.4104

 1.6820, 0.1892,
0.8108

261.0435, 0.3171,

 0.4119, 0.0000,

0.4049

1.0000

313.2085, 0.3170,
0.4001

0.0000, 0.0000,
0.0000

46.2711, 0.3147,
0.4718

46.2711, 0.3147,
0.4718

44.7935, 0.3138,
0.5058

48.0707, 0.3150,
0.4375

43.6133, 0.3121,
0.5372

50.2037, 0.3148,
0.4046

42.7116, 0.3099,
0.5636


52.6880, 0.3143,
0.3740

42.0648, 0.3071,
0.5830

55.5386, 0.3134,
0.3465

41.6441, 0.3043,
0.5946

58.7697, 0.3124,
0.3220

 41.5526, 0.3036,
0.5972

 62.3944, 0.3113,
0.3005

 66.4255, 0.3102,
0.2818

 69.7902, 0.3152,
0.2752

Harmonies

Analogous

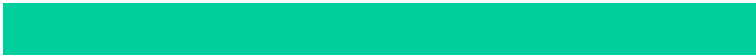
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2711, 0.3910, 0.4733



46.2711, 0.3147, 0.4718



46.2711, 0.2420, 0.4105

Triad

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



46.2711, 0.3147, 0.4718



46.2711, 0.1853, 0.2151



46.2711, 0.4472, 0.3146

Complementary

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



46.2711, 0.3147, 0.4718



25.0421, 0.3039, 0.2110

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.



46.2711, 0.3768, 0.2626



46.2711, 0.3147, 0.4718



46.2711, 0.2255, 0.2075

Square

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



46.2711, 0.3147, 0.4718



46.2711, 0.1739, 0.2523



46.2711, 0.2931, 0.2247



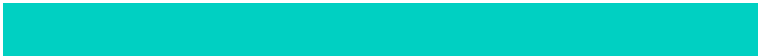
46.2711, 0.4741, 0.3732

Rectangle

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



46.2711, 0.3147, 0.4718



46.2711, 0.2056, 0.3514



46.2711, 0.2931, 0.2247



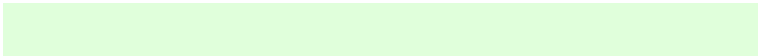
46.2711, 0.4274, 0.2962

Sweetspot

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



46.2731, 0.3147, 0.4718



92.5359, 0.3140, 0.3660



48.3972, 0.3890, 0.4282



19.5853, 0.3142, 0.3722



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.



46.2731, 0.3147, 0.4718



77.5966, 0.3138, 0.5051



46.2354, 0.2863, 0.4236



11.9571, 0.3136, 0.3527



26.4427, 0.3041, 0.5967



1.2755, 0.3151, 0.5880

Inverse Universe

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



25.0421, 0.3039, 0.2110



36.5557, 0.3010, 0.1891



25.3811, 0.3562, 0.2514



10.7394, 0.3116, 0.3061



8.2808, 0.2865, 0.1352



0.4131, 0.2941, 0.1394

Previews

White Background



This preview shows how the Yxy color 46.2711, 0.3147, 0.4718 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 46.2711, 0.3147, 0.4718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

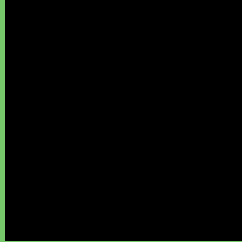
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2711, 0.3147, 0.4718

Background



This preview shows how black text looks on a background with the Yxy color 46.2711, 0.3147, 0.4718.



This preview shows how white text looks on a background with the Yxy color 46.2711, 0.3147, 0.4718.

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

46.2711, 0.3147, 0.4718

Protanopia

45.5491, 0.3957, 0.4305

Deuteranopia

45.6027, 0.4084, 0.3993



Tritanopia

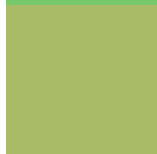
46.0732, 0.2638, 0.3083

Trichromacy



Original Color

46.2711, 0.3147, 0.4718



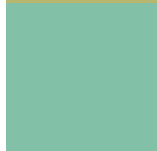
Protanomaly

44.9350, 0.3625, 0.4459



Deuteranomaly

44.5268, 0.3710, 0.4254



Tritanomaly

45.7129, 0.2826, 0.3655

Monochromacy



Original Color

46.2711, 0.3147, 0.4718



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.1503, 0.3138, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2711, 0.3147, 0.4718 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(119, 200, 106)` looks like.

```
.text, #text, p{  
    color:rgb(119, 200, 106)  
}
```

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(119, 200, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 200, 106) }
```

Border

The CSS property to change the border of an element to Yxy 46.2711, 0.3147, 0.4718 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(119, 200, 106) }
```

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

```
.border{ border-color:rgb(119, 200, 106) }
```

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

Here you see how a box with a 4 pixel rgb(119, 200, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 200, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 200, 106);  
box-shadow:4px 4px 4px 4px rgb(119, 200,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2711, 0.3147, 0.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 200, 106) }
```

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

```
.background{ background-color: rgb(119,  
200, 106) }
```

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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