

Converting Colors

$Yxy(46.7729, 0.2951, 0.4250)$

Have a look what the booklet for
Yxy(46.7729, 0.2951, 0.4250)
contains.

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Color

Yxy(46.9662, 0.2951, 0.4246)

Conversions

Conversions Part 1

Format	Color
Hex	76C889
RGB	118, 200, 137
RGB Percent	46%, 78%, 54%
CMY	0.5372, 0.2157, 0.4628
CMYK	0.41, 0.00, 0.32, 0.22
HSL	134°, 43%, 62%
HSV	134°, 41%, 78%
XYZ	32.6418, 46.9662, 31.0048
YIQ	168.3000, -28.6490, -36.9770

Conversions

Conversions Part 2

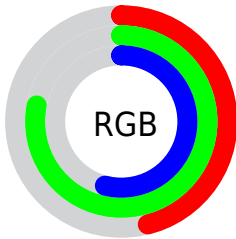
Format	Color
RYB	118, 185, 200
Decimal	7784585
CIELab	74.17, -38.51, 23.88
CIELCh	74, 45.315, 148.193
Yxy	46.9662, 0.2951, 0.4246
Android (android.graphics.Color)	4285974665 (0xFF76C889)
YUV	168.3000, -15.4309, -44.1131
Hunter-Lab	68.5319, -34.9110, 21.1487

Details

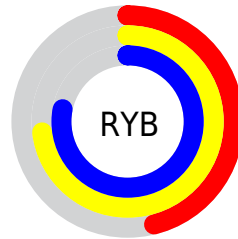
The Yxy color **46.9662, 0.2951, 0.4246** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.5796, 0.3377, 0.2497**, and the grayscale version is **39.4034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1658, 0.2988, 0.4031**, and **22.0289, 0.2877, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **45.3027, 0.2919, 0.4531**, and if you desaturate by 10%, it is **48.9933, 0.2990, 0.3977**.

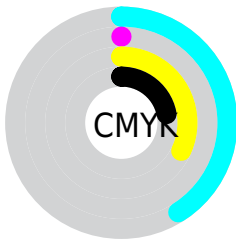
Distribution



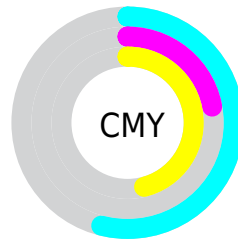
- Red (46%)
- Green (78%)
- Blue (54%)



- Red (46%)
- Yellow (73%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)




- Cyan (54%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9662, 0.2951, 0.4246 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 46.9662, 0.2951, 0.4246 by changing the saturation by 10% instead.


 46.9662, 0.2951,
0.4246


 46.9662, 0.2951,
0.4246


374.6796, 0.3053,
0.3742

 33.0089, 0.2921,
0.4380


 85.6632, 0.2992,
0.4057

 22.1333, 0.2878,
0.4557


 111.1717, 0.3006,
0.3987

 13.9549, 0.2817,
0.4800


 141.2994, 0.3017,
0.3930

 8.0893, 0.2719,
0.5153

176.4306, 0.3027,
0.3881

 4.1521, 0.2549,
0.5704

216.9499, 0.3035,
0.3839

 1.7590, 0.2346,
0.7492

263.2416, 0.3042,

 0.4614, 0.0000,

0.3802

1.0000

315.6900, 0.3048,
0.3770

0.0000, 0.0000,
0.0000

46.9662, 0.2951,
0.4246

46.9662, 0.2951,
0.4246

45.3027, 0.2919,
0.4531

48.9933, 0.2990,
0.3977

43.9755, 0.2897,
0.4823

51.3979, 0.3033,
0.3729

42.9625, 0.2887,
0.5107

54.2004, 0.3078,
0.3506


42.2365, 0.2891,
0.5368

57.4177, 0.3123,
0.3308

41.7656, 0.2908,
0.5591

61.0660, 0.3167,
0.3135

 41.5087, 0.2931,
0.5751

 65.1605, 0.3209,
0.2983

 69.1378, 0.3226,
0.2848

 69.7894, 0.3152,
0.2752

Harmonies

Analogous

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



46.9662, 0.3566, 0.4447



46.9662, 0.2951, 0.4246



46.9662, 0.2414, 0.3684

Triad

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



46.9662, 0.2951, 0.4246



46.9662, 0.2194, 0.2334



46.9662, 0.4288, 0.3364

Complementary

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



46.9662, 0.2951, 0.4246



28.5796, 0.3377, 0.2497

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.



46.9662, 0.3844, 0.2905



46.9662, 0.2951, 0.4246



46.9662, 0.2609, 0.2337

Square

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



46.9662, 0.2951, 0.4246



46.9662, 0.2014, 0.2564



46.9662, 0.3208, 0.2542



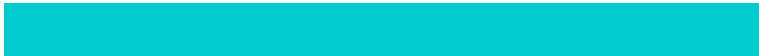
46.9662, 0.4371, 0.3846

Rectangle

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



46.9662, 0.2951, 0.4246



46.9662, 0.2168, 0.3244



46.9662, 0.3208, 0.2542



46.9662, 0.4174, 0.3205

Sweetspot

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



46.9682, 0.2951, 0.4246



93.2278, 0.3072, 0.3531



52.5922, 0.3580, 0.4351



19.8107, 0.3066, 0.3560



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.



46.9682, 0.2951, 0.4246



78.7712, 0.2923, 0.4494



48.3278, 0.2704, 0.3626



11.9274, 0.3085, 0.3473



26.4038, 0.2925, 0.5730



1.2618, 0.2810, 0.5314

Inverse Universe

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



28.5796, 0.3377, 0.2497



42.7351, 0.3447, 0.2340



27.1722, 0.3861, 0.2986



10.7730, 0.3172, 0.3114



9.3000, 0.3890, 0.1916



0.4509, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 46.9662, 0.2951, 0.4246 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 46.9662, 0.2951, 0.4246 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 46.9662, 0.2951, 0.4246

Background



This preview shows how black text looks on a background with the Yxy color 46.9662, 0.2951, 0.4246.



This preview shows how white text looks on a background with the Yxy color 46.9662, 0.2951, 0.4246.

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

46.9662, 0.2951, 0.4246

Protanopia

46.2348, 0.3685, 0.3963

Deuteranopia

46.2523, 0.3752, 0.3673



Tritanopia

46.7531, 0.2598, 0.3070

Trichromacy



Original Color

46.9662, 0.2951, 0.4246



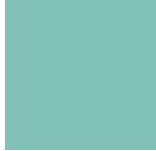
Protanomaly

45.8479, 0.3382, 0.4072



Deuteranomaly

45.2550, 0.3422, 0.3862



Tritanomaly

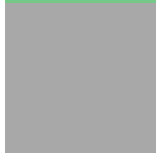
46.5502, 0.2724, 0.3461

Monochromacy



Original Color

46.9662, 0.2951, 0.4246



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.5609, 0.3052, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9662, 0.2951, 0.4246 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(118, 200, 137)` looks like.

```
.text, #text, p{  
    color:rgb(118, 200, 137)  
}
```

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(118, 200, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 200, 137) }
```

Border

The CSS property to change the border of an element to Yxy 46.9662, 0.2951, 0.4246 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(118, 200, 137) }
```

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

```
.border{ border-color:rgb(118, 200, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 200, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 200, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 200, 137);  
box-shadow:4px 4px 4px 4px rgb(118, 200,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9662, 0.2951, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 200, 137) }
```

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

```
.background{ background-color: rgb(118,  
200, 137) }
```

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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