

Converting Colors

$Yxy(46.9192, 0.2760, 0.4228)$

Have a look what the booklet for
Yxy(46.9192, 0.2760, 0.4228)
contains.

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Color

Yxy(46.9192, 0.2760, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	5BCB8F
RGB	91, 203, 143
RGB Percent	36%, 80%, 56%
CMY	0.6431, 0.2039, 0.4392
CMYK	0.55, 0.00, 0.30, 0.20
HSL	148°, 52%, 58%
HSV	148°, 55%, 80%
XYZ	30.6284, 46.9192, 33.4249
YIQ	162.6720, -47.4920, -42.4040

Conversions

Conversions Part 2

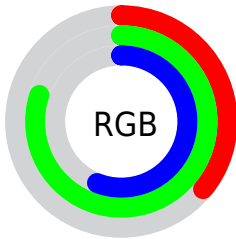
Format	Color
RYB	91, 167, 203
Decimal	6015887
CIELab	74.14, -45.73, 20.49
CIELCh	74, 50.115, 155.862
Yxy	46.9192, 0.2760, 0.4228
Android (android.graphics.Color)	4284205967 (0xFF5BCB8F)
YUV	162.6720, -9.6983, -62.8563
Hunter-Lab	68.4976, -40.0552, 19.0164

Details

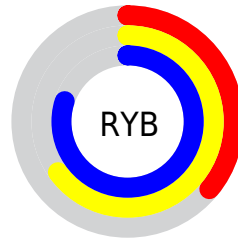
The Yxy color **46.9192, 0.2760, 0.4228** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **22.4164, 0.3850, 0.2542**, and the grayscale version is **36.5284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9408, 0.2830, 0.3983**, and **22.1119, 0.2637, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **45.7112, 0.2728, 0.4437**, and if you desaturate by 10%, it is **48.4420, 0.2807, 0.4027**.

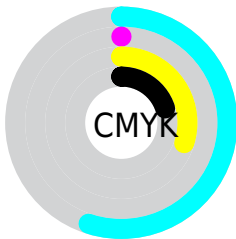
Distribution



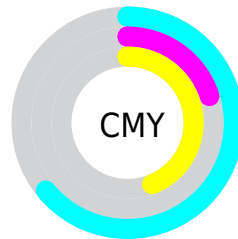
- Red (36%)
- Green (80%)
- Blue (56%)



- Red (36%)
- Yellow (65%)
- Blue (80%)



- Cyan (55%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)





- Cyan (64%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9192, 0.2760, 0.4228 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 46.9192, 0.2760, 0.4228 by changing the saturation by 10% instead.


 46.9192, 0.2760,
0.4228


 46.9192, 0.2760,
0.4228


374.4919, 0.2957,
0.3732


 32.9718, 0.2707,
0.4360


 85.5930, 0.2835,
0.4041


 22.1048, 0.2635,
0.4535

 111.0882, 0.2862,
0.3973

 13.9339, 0.2536,
0.4777

 141.2014, 0.2884,
0.3916

 8.0747, 0.2389,
0.5130

 176.3170, 0.2903,
0.3868

 4.1428, 0.2152,
0.5688

216.8195, 0.2919,
0.3827

 1.7538, 0.1549,
0.7318

263.0932, 0.2934,

 0.4581, 0.0000,

0.3791

1.0000

315.5226, 0.2946,
0.3760

■ 0.0000, 0.0000,
0.0000

■ 46.9192, 0.2760,
0.4228

■ 46.9192, 0.2760,
0.4228

■ 45.7112, 0.2728,
0.4437

■ 48.4420, 0.2807,
0.4027

■ 44.7883, 0.2714,
0.4647

■ 50.2952, 0.2867,
0.3837

■ 44.1247, 0.2720,
0.4853

■ 52.5002, 0.2935,
0.3661

■ 43.6868, 0.2745,
0.5048

■ 55.0749, 0.3010,
0.3502

■ 43.5255, 0.2760,
0.5137

■ 58.0358, 0.3087,
0.3358

■ 61.3987, 0.3165,
0.3230

■ 65.1781, 0.3243,
0.3117

■ 69.3881, 0.3318,
0.3018

■ 70.3179, 0.3251,
0.2914

Harmonies

Analogous

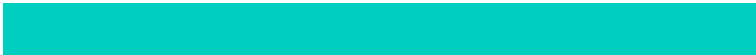
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9192, 0.3429, 0.4567



46.9192, 0.2760, 0.4228



46.9192, 0.2225, 0.3534

Triad

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



46.9192, 0.2760, 0.4228



46.9192, 0.2198, 0.2224



46.9192, 0.4476, 0.3494

Complementary

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



46.9192, 0.2760, 0.4228



22.4164, 0.3850, 0.2542

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.



46.9192, 0.4075, 0.2985



46.9192, 0.2760, 0.4228



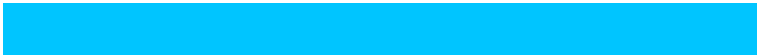
46.9192, 0.2708, 0.2290

Square

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



46.9192, 0.2760, 0.4228



46.9192, 0.1938, 0.2399



46.9192, 0.3398, 0.2560



46.9192, 0.4451, 0.4013

Rectangle

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



46.9192, 0.2760, 0.4228



46.9192, 0.2006, 0.3056



46.9192, 0.3398, 0.2560



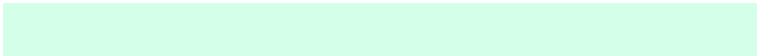
46.9192, 0.4386, 0.3320

Sweetspot

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



46.9211, 0.2760, 0.4228



91.2783, 0.2994, 0.3533



50.2031, 0.3485, 0.4818



19.3442, 0.2979, 0.3565



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.



46.9211, 0.2760, 0.4228



76.2417, 0.2724, 0.4473



48.9879, 0.2462, 0.3369



12.6222, 0.3054, 0.3417



27.7165, 0.2753, 0.5112



1.4451, 0.2649, 0.4736

Inverse Universe

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



22.4164, 0.3850, 0.2542



31.1976, 0.4088, 0.2427



21.0371, 0.4679, 0.3226



11.3125, 0.3208, 0.3166



8.7982, 0.4792, 0.2413



0.4691, 0.4400, 0.2198

Previews

White Background



This preview shows how the Yxy color 46.9192, 0.2760, 0.4228 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 46.9192, 0.2760, 0.4228 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 46.9192, 0.2760, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 46.9192, 0.2760, 0.4228.



This preview shows how white text looks on a background with the Yxy color 46.9192, 0.2760, 0.4228.

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

46.9192, 0.2760, 0.4228

Protanopia

46.2105, 0.3643, 0.3914

Deuteranopia

45.9973, 0.3669, 0.3602



Tritanopia

46.5517, 0.2459, 0.3065

Trichromacy



Original Color

46.9192, 0.2760, 0.4228



Protanomaly

45.3694, 0.3255, 0.4034



Deuteranomaly

44.9115, 0.3263, 0.3822



Tritanomaly

46.3612, 0.2562, 0.3450

Monochromacy



Original Color

46.9192, 0.2760, 0.4228



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.5595, 0.2953, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9192, 0.2760, 0.4228 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(91, 203, 143)` looks like.

```
.text, #text, p{  
    color:rgb(91, 203, 143)  
}
```

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(91, 203, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 203, 143) }
```

Border

The CSS property to change the border of an element to Yxy 46.9192, 0.2760, 0.4228 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(91, 203, 143) }
```

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

```
.border{ border-color:rgb(91, 203, 143) }
```

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

Here you see how a box with a 4 pixel rgb(91, 203, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 203, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 203, 143);  
box-shadow:4px 4px 4px 4px rgb(91, 203,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9192, 0.2760, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 203, 143) }
```

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

```
.background{ background-color: rgb(91, 203,  
143) }
```

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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