

Converting Colors

$Yxy(50.7066, 0.2815, 0.4781)$

Have a look what the booklet for
Yxy(50.7066, 0.2815, 0.4781)
contains.

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Color

Yxy(50.7032, 0.2818, 0.4788)

Conversions

Conversions Part 1

Format	Color
Hex	46D676
RGB	70, 214, 118
RGB Percent	27%, 84%, 46%
CMY	0.7255, 0.1608, 0.5373
CMYK	0.67, 0.00, 0.45, 0.16
HSL	140°, 64%, 56%
HSV	140°, 67%, 84%
XYZ	29.8416, 50.7032, 25.3516
YIQ	160.0000, -55.0080, -60.3840

Conversions

Conversions Part 2

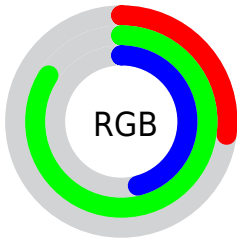
Format	Color
RYB	70, 178, 214
Decimal	4642422
CIELab	76.50, -58.87, 36.44
CIELCh	76, 69.236, 148.242
Yxy	50.7032, 0.2818, 0.4788
Android (android.graphics.Color)	4282832502 (0xFF46D676)
YUV	160.0000, -20.7060, -78.9300
Hunter-Lab	71.2062, -49.8037, 28.7353

Details

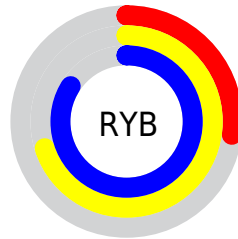
The Yxy color **50.7032, 0.2818, 0.4788** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **21.4296, 0.3814, 0.2220**, and the grayscale version is **35.2699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5286, 0.2884, 0.4333**, and **24.8711, 0.2781, 0.5213** is the 20% darker color. If you saturate the color by 10%, you get **49.7324, 0.2815, 0.5040**, and if you desaturate by 10%, it is **52.0129, 0.2837, 0.4529**.

Distribution



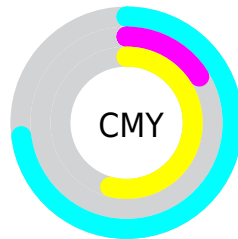
- Red (27%)
- Green (84%)
- Blue (46%)



- Red (27%)
- Yellow (70%)
- Blue (84%)



- Cyan (67%)
- Magenta (0%)
- Yellow (45%)
- Black (16%)





- Cyan (73%)
- Magenta (16%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7032, 0.2818, 0.4788 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 50.7032, 0.2818, 0.4788 by changing the saturation by 10% instead.


 50.7032, 0.2818,
0.4788

 50.7032, 0.2818,
0.4788


389.4096, 0.3004,
0.3992

 35.9725, 0.2761,
0.4999


 91.2159, 0.2893,
0.4489


 24.4129, 0.2681,
0.5276


 117.7667, 0.2919,
0.4379

 15.6402, 0.2564,
0.5652


 149.0262, 0.2941,
0.4288

 9.2699, 0.2380,
0.6184

 185.3789, 0.2958,
0.4210

 4.9177, 0.2079,
0.7000

227.2092, 0.2972,
0.4144

 2.1990, 0.1197,
0.8803

274.9015, 0.2985,

 0.7195, 0.0000,

0.4086

1.0000

328.8401, 0.2995,
0.4036

■ 0.0000, 0.0000,
0.0000

■ 50.7032, 0.2818,
0.4788

■ 50.7032, 0.2818,
0.4788

■ 49.7324, 0.2815,
0.5040

■ 52.0129, 0.2837,
0.4529

■ 49.0602, 0.2830,
0.5274

■ 53.6845, 0.2871,
0.4274

■ 48.6436, 0.2861,
0.5479

■ 55.7459, 0.2915,
0.4030

■ 48.5547, 0.2869,
0.5529


■ 58.2208, 0.2967,
0.3803

■ 61.1307, 0.3024,
0.3597

 64.4956, 0.3084,
0.3412

 68.3344, 0.3143,
0.3248

 72.6647, 0.3202,
0.3103

 76.0339, 0.3204,
0.2971

Harmonies

Analogous

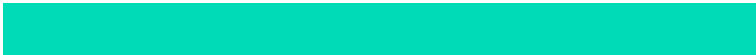
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.7032, 0.3690, 0.5022



50.7032, 0.2818, 0.4788



50.7032, 0.2077, 0.3872

Triad

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



50.7032, 0.2818, 0.4788



50.7032, 0.1818, 0.1943



50.7032, 0.4851, 0.3330

Complementary

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



50.7032, 0.2818, 0.4788



21.4296, 0.3814, 0.2220

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.



50.7032, 0.4187, 0.2725



50.7032, 0.2818, 0.4788



50.7032, 0.2371, 0.1968

Square

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



50.7032, 0.2818, 0.4788



50.7032, 0.1582, 0.2219



50.7032, 0.3225, 0.2244



50.7032, 0.4925, 0.3986

Rectangle

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



50.7032, 0.2818, 0.4788



50.7032, 0.1758, 0.3175



50.7032, 0.3225, 0.2244



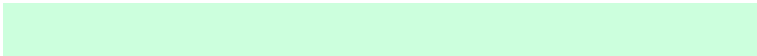
50.7032, 0.4688, 0.3120

Sweetspot

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



50.7053, 0.2818, 0.4788



89.5778, 0.3007, 0.3655



56.9065, 0.3666, 0.5041



18.9078, 0.2991, 0.3713



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.



50.7053, 0.2818, 0.4788



73.4508, 0.2820, 0.5149



53.0111, 0.2467, 0.3673



13.9636, 0.3071, 0.3449



29.3641, 0.2862, 0.5503



1.7863, 0.2763, 0.5146

Inverse Universe

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



21.4296, 0.3814, 0.2220



26.9625, 0.4025, 0.2120



19.5282, 0.4945, 0.3013



12.5590, 0.3188, 0.3136



9.8537, 0.4266, 0.2124



0.6094, 0.4038, 0.1998

Previews

White Background



This preview shows how the Yxy color 50.7032, 0.2818, 0.4788 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 50.7032, 0.2818, 0.4788 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 50.7032, 0.2818, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 50.7032, 0.2818, 0.4788.



This preview shows how white text looks on a background with the Yxy color 50.7032, 0.2818, 0.4788.

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

50.7032, 0.2818, 0.4788

Protanopia

49.6025, 0.3915, 0.4254

Deuteranopia

49.5939, 0.3991, 0.3909



Tritanopia

50.2391, 0.2403, 0.3056

Trichromacy



Original Color

50.7032, 0.2818, 0.4788



Protanomaly

48.1703, 0.3406, 0.4482



Deuteranomaly

47.4542, 0.3447, 0.4241



Tritanomaly

49.7442, 0.2550, 0.3642

Monochromacy



Original Color

50.7032, 0.2818, 0.4788



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.1989, 0.2955, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7032, 0.2818, 0.4788 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(70, 214, 118)` looks like.

```
.text, #text, p{  
    color:rgb(70, 214, 118)  
}
```

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(70, 214, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 214, 118) }
```

Border

The CSS property to change the border of an element to Yxy 50.7032, 0.2818, 0.4788 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(70, 214, 118) }
```

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

```
.border{ border-color:rgb(70, 214, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 214, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 214, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 214, 118);  
box-shadow:4px 4px 4px 4px rgb(70, 214,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7032, 0.2818, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 214, 118) }
```

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

```
.background{ background-color: rgb(70, 214,  
118) }
```

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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