

Converting Colors

$Y_{xy}(47.0200, 0.2992, 0.4810)$

Have a look what the booklet for
Yxy(47.0200, 0.2992, 0.4810)
contains.

Yxy(47.2110, 0.2991, 0.4818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.2110, 0.2991, 0.4818)

Conversions

Conversions Part 1

Format	Color
Hex	60CD6B
RGB	96, 205, 107
RGB Percent	38%, 80%, 42%
CMY	0.6235, 0.1961, 0.5805
CMYK	0.53, 0.00, 0.48, 0.20
HSL	126°, 52%, 59%
HSV	126°, 53%, 80%
XYZ	29.3084, 47.2110, 21.4693
YIQ	161.2370, -33.5060, -53.5860

Conversions

Conversions Part 2

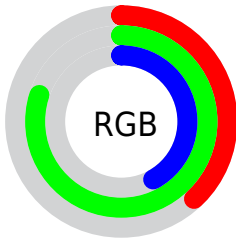
Format	Color
RYB	96, 195, 205
Decimal	6344043
CIELab	74.32, -51.53, 39.32
CIELCh	74, 64.824, 142.654
Yxy	47.2110, 0.2991, 0.4818
Android (android.graphics.Color)	4284534123 (0xFF60CD6B)
YUV	161.2370, -26.7388, -57.2128
Hunter-Lab	68.7103, -44.1036, 29.5713

Details

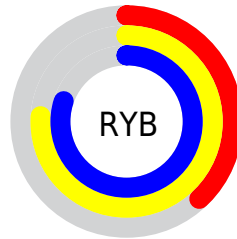
The Yxy color **47.2110, 0.2991, 0.4818** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.2442, 0.3308, 0.2135**, and the grayscale version is **35.8958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9281, 0.3040, 0.4439**, and **22.3693, 0.2888, 0.5317** is the 20% darker color. If you saturate the color by 10%, you get **45.8946, 0.2975, 0.5142**, and if you desaturate by 10%, it is **48.9039, 0.3012, 0.4487**.

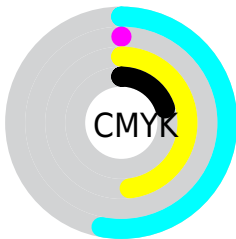
Distribution



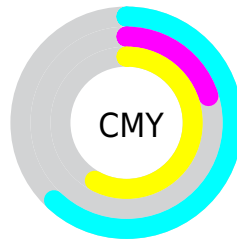
- Red (38%)
- Green (80%)
- Blue (42%)



- Red (38%)
- Yellow (76%)
- Blue (80%)



- Cyan (53%)
- Magenta (0%)
- Yellow (48%)
- Black (20%)





- Cyan (62%)
- Magenta (20%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2110, 0.2991, 0.4818 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 47.2110, 0.2991, 0.4818 by changing the saturation by 10% instead.


 47.2110, 0.2991,
0.4818

 47.2110, 0.2991,
0.4818

375.6561, 0.3095,
0.4001


 33.2025, 0.2951,
0.5036


 86.0285, 0.3039,
0.4510


 22.2816, 0.2892,
0.5321

 111.6063, 0.3054,
0.4398

 14.0640, 0.2797,
0.5708

 141.8092, 0.3065,
0.4304

 8.1652, 0.2634,
0.6253


 177.0218, 0.3074,
0.4224

 4.2008, 0.2408,
0.7276

217.6284, 0.3081,
0.4157

 1.7865, 0.1224,
0.8776

264.0134, 0.3087,

 0.4788, 0.0000,

0.4098

1.0000

316.5612, 0.3091,
0.4046

■ 0.0000, 0.0000,
0.0000

■ 47.2110, 0.2991,
0.4818

■ 47.2110, 0.2991,
0.4818

■ 45.8946, 0.2975,
0.5142

■ 48.9039, 0.3012,
0.4487

■ 44.9206, 0.2967,
0.5437

■ 50.9930, 0.3038,
0.4167

■ 44.2583, 0.2968,
0.5681

■ 53.5032, 0.3065,
0.3869

■ 43.8691, 0.2976,
0.5856

■ 56.4560, 0.3092,
0.3599

■ 43.7174, 0.2982,
0.5936

■ 59.8713, 0.3119,
0.3359

■ 63.7679, 0.3144,
0.3150

■ 68.1634, 0.3168,
0.2968

■ 72.1113, 0.3154,
0.2806

■ 72.1447, 0.3150,
0.2801

Harmonies

Analogous

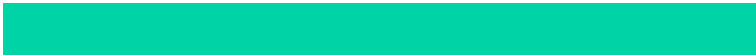
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2110, 0.3831, 0.4918



47.2110, 0.2991, 0.4818



47.2110, 0.2233, 0.4037

Triad

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



47.2110, 0.2991, 0.4818



47.2110, 0.1796, 0.2015



47.2110, 0.4702, 0.3222

Complementary

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



47.2110, 0.2991, 0.4818



25.2442, 0.3308, 0.2135

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.



47.2110, 0.3982, 0.2649



47.2110, 0.2991, 0.4818



47.2110, 0.2276, 0.1987

Square

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



47.2110, 0.2991, 0.4818



47.2110, 0.1622, 0.2349



47.2110, 0.3054, 0.2213



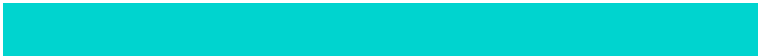
47.2110, 0.4889, 0.3854

Rectangle

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



47.2110, 0.2991, 0.4818



47.2110, 0.1878, 0.3364



47.2110, 0.3054, 0.2213



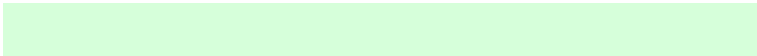
47.2110, 0.4510, 0.3021

Sweetspot

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



47.2130, 0.2991, 0.4818



90.9241, 0.3084, 0.3678



55.9926, 0.3799, 0.4603



19.2427, 0.3078, 0.3733



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.



47.2130, 0.2991, 0.4818



74.8723, 0.2973, 0.5193



48.7396, 0.2684, 0.3949



12.5550, 0.3102, 0.3505



27.2211, 0.2979, 0.5923



1.4107, 0.2915, 0.5694

Inverse Universe

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



25.2442, 0.3308, 0.2135



35.0873, 0.3354, 0.1943



23.2292, 0.4025, 0.2744



11.3835, 0.3153, 0.3084



10.2525, 0.3477, 0.1689



0.5347, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 47.2110, 0.2991, 0.4818 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 47.2110, 0.2991, 0.4818 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 47.2110, 0.2991, 0.4818

Background



This preview shows how black text looks on a background with the Yxy color 47.2110, 0.2991, 0.4818.



This preview shows how white text looks on a background with the Yxy color 47.2110, 0.2991, 0.4818.

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

47.2110, 0.2991, 0.4818

Protanopia

46.6361, 0.3963, 0.4319

Deuteranopia

46.1850, 0.4071, 0.3979



Tritanopia

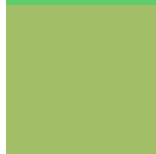
47.1801, 0.2517, 0.3081

Trichromacy



Original Color

47.2110, 0.2991, 0.4818



Protanomaly

45.4676, 0.3548, 0.4518



Deuteranomaly

44.8664, 0.3607, 0.4289



Tritanomaly

46.7462, 0.2689, 0.3675

Monochromacy



Original Color

47.2110, 0.2991, 0.4818



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.6857, 0.3067, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2110, 0.2991, 0.4818 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(96, 205, 107)` looks like.

```
.text, #text, p{  
    color:rgb(96, 205, 107)  
}
```

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(96, 205, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 205, 107) }
```

Border

The CSS property to change the border of an element to Yxy 47.2110, 0.2991, 0.4818 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(96, 205, 107) }
```

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

```
.border{ border-color:rgb(96, 205, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 205, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 205, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 205, 107); box-shadow:4px 4px 4px 4px rgb(96, 205, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2110, 0.2991, 0.4818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 205, 107) }
```

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

```
.background{ background-color: rgb(96, 205,  
107) }
```

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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