

Converting Colors

$Yxy(47.7016, 0.3213, 0.4690)$

Have a look what the booklet for
Yxy(47.7016, 0.3213, 0.4690)
contains.

Yxy(47.5020, 0.3213, 0.4682)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5020, 0.3213, 0.4682)

Conversions

Conversions Part 1

Format	Color
Hex	81C96B
RGB	129, 201, 107
RGB Percent	51%, 79%, 42%
CMY	0.4939, 0.2118, 0.5804
CMYK	0.36, 0.00, 0.47, 0.21
HSL	106°, 47%, 60%
HSV	106°, 47%, 79%
XYZ	32.5980, 47.5020, 21.3566
YIQ	168.7560, -12.7380, -44.4980

Conversions

Conversions Part 2

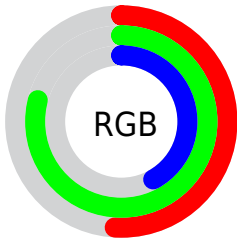
Format	Color
RYB	107, 201, 179
Decimal	8505707
CIELab	74.51, -40.14, 39.85
CIElCh	75, 56.559, 135.209
Yxy	47.5020, 0.3213, 0.4682
Android (android.graphics.Color)	4286695787 (0xFF81C96B)
YUV	168.7560, -30.4457, -34.8660
Hunter-Lab	68.9217, -36.1875, 29.8731

Details

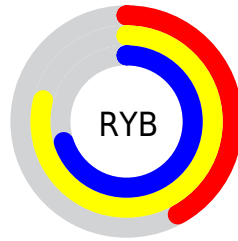
The Yxy color **47.5020, 0.3213, 0.4682** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.3067, 0.2943, 0.2081**, and the grayscale version is **39.7121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3724, 0.3222, 0.4377**, and **22.3490, 0.3184, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **46.0131, 0.3212, 0.5011**, and if you desaturate by 10%, it is **49.2747, 0.3204, 0.4350**.

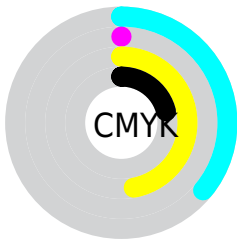
Distribution



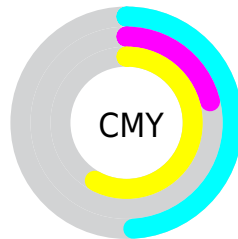
- Red (51%)
- Green (79%)
- Blue (42%)



- Red (42%)
- Yellow (79%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (47%)
- Black (21%)





- Cyan (49%)
- Magenta (21%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5020, 0.3213, 0.4682 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 47.5020, 0.3213, 0.4682 by changing the saturation by 10% instead.

 47.5020, 0.3213,
0.4682


 47.5020, 0.3213,
0.4682


376.8148, 0.3201,
0.3948

 33.4327, 0.3204,
0.4874

 86.4625, 0.3217,
0.4408

 22.4581, 0.3183,
0.5122


 112.1224, 0.3216,
0.4307

 14.1939, 0.3141,
0.5456


 142.4147, 0.3215,
0.4223

 8.2556, 0.3053,
0.5919

 177.7237, 0.3212,
0.4151

 4.2590, 0.2946,
0.6786

218.4338, 0.3209,
0.4090

 1.8195, 0.2311,
0.7689

264.9294, 0.3207,


 0.4993, 0.0000,


0.4036


1.0000

317.5949, 0.3204,
0.3990


 0.0000, 0.0000,
0.0000


 47.5020, 0.3213,
0.4682


 47.5020, 0.3213,
0.4682


 46.0131, 0.3212,
0.5011

 49.2747, 0.3204,
0.4350


 44.7869, 0.3200,
0.5316


 51.3389, 0.3189,
0.4029


 43.8090, 0.3176,
0.5577


 53.7095, 0.3168,
0.3730

 43.0607, 0.3142,
0.5774

 56.3987, 0.3144,
0.3458


 42.5197, 0.3100,
0.5899

 59.4178, 0.3119,
0.3214

 42.3803, 0.3088,
0.5930

 62.7777, 0.3093,
0.2999

 66.4887, 0.3068,
0.2809

 69.7095, 0.3131,
0.2758

 70.2522, 0.3152,
0.2762

Harmonies

Analogous

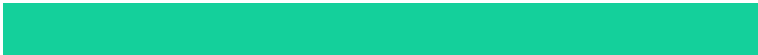
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.5020, 0.3944, 0.4661



47.5020, 0.3213, 0.4682



47.5020, 0.2499, 0.4136

Triad

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



47.5020, 0.3213, 0.4682



47.5020, 0.1874, 0.2207



47.5020, 0.4379, 0.3111

Complementary

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



47.5020, 0.3213, 0.4682



24.3067, 0.2943, 0.2081

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.



47.5020, 0.3680, 0.2612



47.5020, 0.3213, 0.4682



47.5020, 0.2243, 0.2109

Square

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



47.5020, 0.3213, 0.4682



47.5020, 0.1786, 0.2596



47.5020, 0.2879, 0.2258



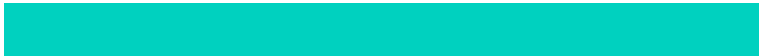
47.5020, 0.4680, 0.3678

Rectangle

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



47.5020, 0.3213, 0.4682



47.5020, 0.2130, 0.3577



47.5020, 0.2879, 0.2258



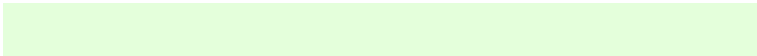
47.5020, 0.4178, 0.2933

Sweetspot

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



47.5040, 0.3213, 0.4682



93.0912, 0.3162, 0.3658



45.1188, 0.3939, 0.4176



19.7189, 0.3167, 0.3719



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.



47.5040, 0.3213, 0.4682



78.7780, 0.3212, 0.5011



46.5222, 0.2921, 0.4382



12.0060, 0.3150, 0.3526



26.6830, 0.3096, 0.5924



1.2977, 0.3249, 0.5802

Inverse Universe

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



24.3067, 0.2943, 0.2081



34.3030, 0.2886, 0.1839



26.1242, 0.3444, 0.2410



10.6864, 0.3101, 0.3060



7.0049, 0.2627, 0.1221



0.3630, 0.2754, 0.1291

Previews

White Background



This preview shows how the Yxy color 47.5020, 0.3213, 0.4682 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 47.5020, 0.3213, 0.4682 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 47.5020, 0.3213, 0.4682

Background



This preview shows how black text looks on a background with the Yxy color 47.5020, 0.3213, 0.4682.



This preview shows how white text looks on a background with the Yxy color 47.5020, 0.3213, 0.4682.

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

47.5020, 0.3213, 0.4682

Protanopia

47.2046, 0.3960, 0.4314

Deuteranopia

46.6800, 0.4091, 0.4009



Tritanopia

47.3457, 0.2692, 0.3087

Trichromacy



Original Color

47.5020, 0.3213, 0.4682

Protanomaly

46.9201, 0.3659, 0.4455

Deuteranomaly

45.9935, 0.3741, 0.4248

Tritanomaly

47.0236, 0.2890, 0.3647

Monochromacy



Original Color

47.5020, 0.3213, 0.4682

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.9931, 0.3171, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5020, 0.3213, 0.4682 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(129, 201, 107)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 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(129, 201, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 107) }
```

Border

The CSS property to change the border of an element to Yxy 47.5020, 0.3213, 0.4682 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(129, 201, 107) }
```

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

```
.border{ border-color:rgb(129, 201, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 201, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 201, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 201, 107); box-shadow:4px 4px 4px 4px rgb(129, 201, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5020, 0.3213, 0.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 201, 107) }
```

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

```
.background{ background-color: rgb(129,  
201, 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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