

Converting Colors

Yxy(48.4570, 0.3123, 0.4661)

Have a look what the booklet for
Yxy(48.4570, 0.3123, 0.4661)
contains.

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Color

Yxy(48.4205, 0.3122, 0.4665)

Conversions

Conversions Part 1

Format	Color
Hex	79CC70
RGB	121, 204, 112
RGB Percent	47%, 80%, 44%
CMY	0.5254, 0.2000, 0.5607
CMYK	0.41, 0.00, 0.45, 0.20
HSL	114°, 47%, 62%
HSV	114°, 45%, 80%
XYZ	32.4049, 48.4205, 22.9699
YIQ	168.6950, -19.9360, -46.2080

Conversions

Conversions Part 2

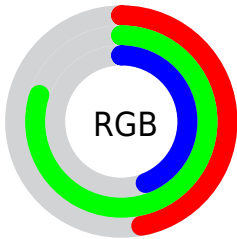
Format	Color
RYB	112, 204, 195
Decimal	7982192
CIELab	75.09, -43.33, 37.99
CIELCh	75, 57.627, 138.756
Yxy	48.4205, 0.3122, 0.4665
Android (android.graphics.Color)	4286172272 (0xFF79CC70)
YUV	168.6950, -27.9506, -41.8285
Hunter-Lab	69.5848, -38.6480, 29.1378

Details

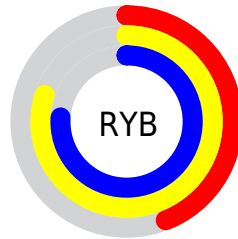
The Yxy color **48.4205, 0.3122, 0.4665** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.5517, 0.3083, 0.2167**, and the grayscale version is **39.6689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5837, 0.3147, 0.4335**, and **23.0009, 0.3072, 0.5096** is the 20% darker color. If you saturate the color by 10%, you get **46.8130, 0.3111, 0.5012**, and if you desaturate by 10%, it is **50.3887, 0.3129, 0.4319**.

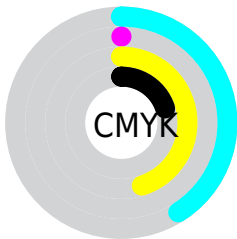
Distribution



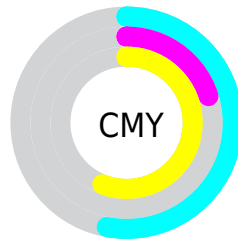
- Red (47%)
- Green (80%)
- Blue (44%)



- Red (44%)
- Yellow (80%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (45%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4205, 0.3122, 0.4665 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 48.4205, 0.3122, 0.4665 by changing the saturation by 10% instead.


 48.4205, 0.3122,
0.4665

 48.4205, 0.3122,
0.4665

380.4565, 0.3155,
0.3939


 34.1600, 0.3103,
0.4855


 87.8302, 0.3142,
0.4394

 23.0165, 0.3070,
0.5104


 113.7481, 0.3147,
0.4294

 14.6057, 0.3014,
0.5439


 144.3207, 0.3150,
0.4210

 8.5431, 0.2910,
0.5907

 179.9322, 0.3152,
0.4140

 4.4444, 0.2745,
0.6700

220.9672, 0.3153,
0.4079

 1.9251, 0.2159,
0.7841

267.8100, 0.3154,

 0.5634, 0.0000,

0.4026

1.0000

320.8449, 0.3154,
0.3980

0.0000, 0.0000,
0.0000

48.4205, 0.3122,
0.4665

48.4205, 0.3122,
0.4665

46.8130, 0.3111,
0.5012

50.3887, 0.3129,
0.4319

45.5385, 0.3095,
0.5336

52.7311, 0.3132,
0.3989

44.5752, 0.3075,
0.5612


55.4680, 0.3131,
0.3687


43.8961, 0.3052,
0.5819


58.6165, 0.3129,
0.3416


43.4694, 0.3029,
0.5944

62.1926, 0.3125,
0.3177

 43.3346, 0.3021,
0.5983

 66.2116, 0.3120,
0.2968

 70.6878, 0.3114,
0.2787

 71.6662, 0.3151,
0.2792

Harmonies

Analogous

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



48.4205, 0.3869, 0.4707



48.4205, 0.3122, 0.4665



48.4205, 0.2416, 0.4052

Triad

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



48.4205, 0.3122, 0.4665



48.4205, 0.1890, 0.2169



48.4205, 0.4456, 0.3173

Complementary

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



48.4205, 0.3122, 0.4665



27.5517, 0.3083, 0.2167

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.



48.4205, 0.3782, 0.2658



48.4205, 0.3122, 0.4665



48.4205, 0.2295, 0.2103

Square

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



48.4205, 0.3122, 0.4665



48.4205, 0.1768, 0.2524



48.4205, 0.2966, 0.2280



48.4205, 0.4701, 0.3749

Rectangle

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



48.4205, 0.3122, 0.4665



48.4205, 0.2065, 0.3478



48.4205, 0.2966, 0.2280



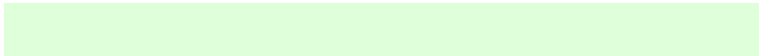
48.4205, 0.4268, 0.2991

Sweetspot

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



48.4225, 0.3122, 0.4665



92.3058, 0.3131, 0.3661



52.9491, 0.3836, 0.4294



19.5300, 0.3132, 0.3724



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.



48.4225, 0.3122, 0.4665



77.6194, 0.3111, 0.4998



48.7954, 0.2843, 0.4119



12.5886, 0.3130, 0.3528



27.2938, 0.3025, 0.5980



1.4264, 0.3103, 0.5918

Inverse Universe

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



27.5517, 0.3083, 0.2167



38.8044, 0.3067, 0.1954



27.2259, 0.3595, 0.2597



11.3458, 0.3122, 0.3061



9.1826, 0.2966, 0.1407



0.4903, 0.3016, 0.1435

Previews

White Background



This preview shows how the Yxy color 48.4205, 0.3122, 0.4665 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 48.4205, 0.3122, 0.4665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

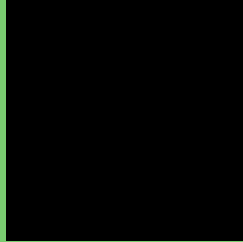
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4205, 0.3122, 0.4665

Background



This preview shows how black text looks on a background with the Yxy color 48.4205, 0.3122, 0.4665.



This preview shows how white text looks on a background with the Yxy color 48.4205, 0.3122, 0.4665.

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

48.4205, 0.3122, 0.4665

Protanopia

47.8575, 0.3926, 0.4266

Deuteranopia

47.7547, 0.4038, 0.3962



Tritanopia

48.1830, 0.2633, 0.3087

Trichromacy



Original Color

48.4205, 0.3122, 0.4665



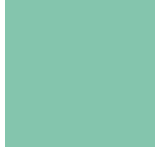
Protanomaly

47.2285, 0.3602, 0.4411



Deuteranomaly

46.6931, 0.3675, 0.4214



Tritanomaly

47.8552, 0.2811, 0.3634

Monochromacy



Original Color

48.4205, 0.3122, 0.4665



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.2694, 0.3138, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4205, 0.3122, 0.4665 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(121, 204, 112)` looks like.

```
.text, #text, p{  
    color:rgb(121, 204, 112)  
}
```

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(121, 204, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 204, 112) }
```

Border

The CSS property to change the border of an element to Yxy 48.4205, 0.3122, 0.4665 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(121, 204, 112) }
```

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

```
.border{ border-color:rgb(121, 204, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 204, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 204, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 204, 112); box-shadow:4px 4px 4px 4px rgb(121, 204, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4205, 0.3122, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 204, 112) }
```

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

```
.background{ background-color: rgb(121,  
204, 112) }
```

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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