

Converting Colors

Yxy(48.7922, 0.3060, 0.4949)

Have a look what the booklet for
Yxy(48.7922, 0.3060, 0.4949)
contains.

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Color

Yxy(48.7793, 0.3061, 0.4948)

Conversions

Conversions Part 1

Format	Color
Hex	65D063
RGB	101, 208, 99
RGB Percent	40%, 82%, 39%
CMY	0.6038, 0.1843, 0.6118
CMYK	0.51, 0.00, 0.52, 0.18
HSL	119°, 54%, 60%
HSV	119°, 52%, 82%
XYZ	30.1765, 48.7793, 19.6280
YIQ	163.5810, -28.7830, -56.5830

Conversions

Conversions Part 2

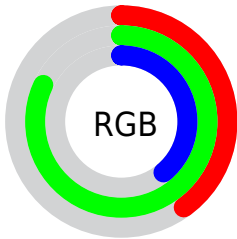
Format	Color
RYB	99, 208, 206
Decimal	6672483
CIELab	75.31, -52.50, 44.46
CIElCh	75, 68.791, 139.739
Yxy	48.7793, 0.3061, 0.4948
Android (android.graphics.Color)	4284862563 (0xFF65D063)
YUV	163.5810, -31.8384, -54.8835
Hunter-Lab	69.8422, -45.0998, 32.2270

Details

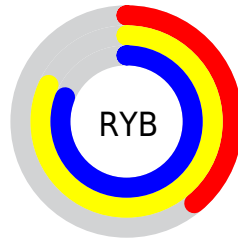
The Yxy color **48.7793, 0.3061, 0.4948** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.5959, 0.3164, 0.2038**, and the grayscale version is **37.0826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1579, 0.3108, 0.4526**, and **23.3709, 0.2966, 0.5478** is the 20% darker color. If you saturate the color by 10%, you get **47.3975, 0.3045, 0.5287**, and if you desaturate by 10%, it is **50.5603, 0.3077, 0.4591**.

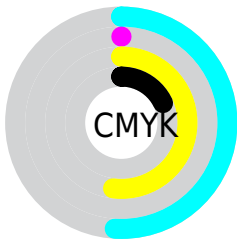
Distribution



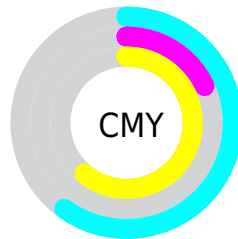
- Red (40%)
- Green (82%)
- Blue (39%)



- Red (39%)
- Yellow (82%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (52%)
- Black (18%)




- Cyan (60%)
- Magenta (18%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7793, 0.3061, 0.4948 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 48.7793, 0.3061, 0.4948 by changing the saturation by 10% instead.


 48.7793, 0.3061,
0.4948


 48.7793, 0.3061,
0.4948


381.8728, 0.3138,
0.4067

 34.4444, 0.3025,
0.5179


 88.3636, 0.3101,
0.4618

 23.2352, 0.2969,
0.5479


 114.3818, 0.3112,
0.4497

 14.7673, 0.2876,
0.5879


 145.0632, 0.3120,
0.4396

 8.6562, 0.2710,
0.6428

 180.7923, 0.3126,
0.4310

 4.5176, 0.2500,
0.7500

221.9534, 0.3130,
0.4236

 1.9671, 0.1436,
0.8564

268.9309, 0.3134,

 0.5883, 0.0000,

0.4172

1.0000

322.1093, 0.3136,
0.4116

■ 0.0000, 0.0000,
0.0000

■ 48.7793, 0.3061,
0.4948

■ 48.7793, 0.3061,
0.4948

■ 47.3975, 0.3045,
0.5287

■ 50.5603, 0.3077,
0.4591

■ 46.3786, 0.3030,
0.5581

■ 52.7612, 0.3091,
0.4240

■ 45.6903, 0.3017,
0.5804

■ 55.4089, 0.3104,
0.3911

■ 45.2915, 0.3007,
0.5941

■ 58.5260, 0.3116,
0.3613

■ 45.1374, 0.3003,
0.5997

■ 62.1336, 0.3125,
0.3348

■ 66.2518, 0.3133,
0.3118

■ 70.8993, 0.3140,
0.2919

■ 73.5925, 0.3149,
0.2831

Harmonies

Analogous

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



48.7793, 0.3932, 0.4965



48.7793, 0.3061, 0.4948



48.7793, 0.2254, 0.4178

Triad

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



48.7793, 0.3061, 0.4948



48.7793, 0.1712, 0.1981



48.7793, 0.4727, 0.3149

Complementary

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



48.7793, 0.3061, 0.4948



26.5959, 0.3164, 0.2038

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.



48.7793, 0.3930, 0.2568



48.7793, 0.3061, 0.4948



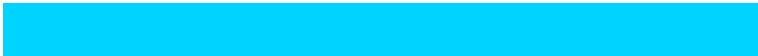
48.7793, 0.2175, 0.1927

Square

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



48.7793, 0.3061, 0.4948



48.7793, 0.1563, 0.2356



48.7793, 0.2957, 0.2137



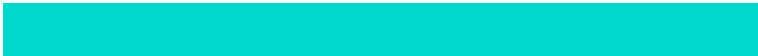
48.7793, 0.4977, 0.3798

Rectangle

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



48.7793, 0.3061, 0.4948



48.7793, 0.1867, 0.3463



48.7793, 0.2957, 0.2137



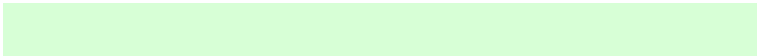
48.7793, 0.4509, 0.2945

Sweetspot

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



48.7813, 0.3061, 0.4948



90.8260, 0.3112, 0.3722



57.6718, 0.3904, 0.4508



19.2197, 0.3109, 0.3784



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.



48.7813, 0.3061, 0.4948



74.8943, 0.3043, 0.5329



49.9627, 0.2770, 0.4169



13.2166, 0.3119, 0.3530



28.1363, 0.3004, 0.5996



1.5770, 0.3019, 0.5985

Inverse Universe

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



26.5959, 0.3164, 0.2038



35.9861, 0.3167, 0.1831



24.7723, 0.3803, 0.2576



11.9974, 0.3135, 0.3061



10.8563, 0.3163, 0.1516



0.6107, 0.3172, 0.1521

Previews

White Background



This preview shows how the Yxy color 48.7793, 0.3061, 0.4948 looks on a white background.

Color Contrast Check

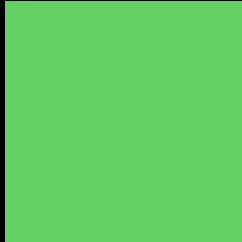
Large Text (above 18pt) WCAG AA × Fail

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 48.7793, 0.3061, 0.4948 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 48.7793, 0.3061, 0.4948

Background



This preview shows how black text looks on a background with the Yxy color 48.7793, 0.3061, 0.4948.

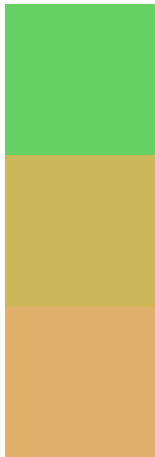


This preview shows how white text looks on a background with the Yxy color 48.7793, 0.3061, 0.4948.

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

48.7793, 0.3061, 0.4948

Protanopia

47.8737, 0.4044, 0.4407

Deuteranopia

47.9595, 0.4165, 0.4083



Tritanopia

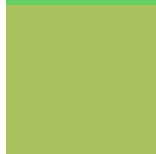
48.5933, 0.2533, 0.3071

Trichromacy



Original Color

48.7793, 0.3061, 0.4948



Protanomaly

47.1636, 0.3632, 0.4627



Deuteranomaly

46.5496, 0.3698, 0.4406



Tritanomaly

47.9618, 0.2727, 0.3715

Monochromacy



Original Color

48.7793, 0.3061, 0.4948



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.1987, 0.3107, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7793, 0.3061, 0.4948 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(101, 208, 99)` looks like.

```
.text, #text, p{  
    color:rgb(101, 208, 99)  
}
```

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(101, 208, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 208, 99) }
```

Border

The CSS property to change the border of an element to Yxy 48.7793, 0.3061, 0.4948 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(101, 208, 99) }
```

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

```
.border{ border-color:rgb(101, 208, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 208, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 208, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 208, 99);  
box-shadow:4px 4px 4px 4px rgb(101, 208,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7793, 0.3061, 0.4948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 208, 99) }
```

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

```
.background{ background-color: rgb(101,  
208, 99) }
```

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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