

Converting Colors

$Yxy(50.0172, 0.3045, 0.4885)$

Have a look what the booklet for
Yxy(50.0172, 0.3045, 0.4885)
contains.

Yxy(49.9762, 0.3046, 0.4889)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.9762, 0.3046, 0.4889)

Conversions

Conversions Part 1

Format	Color
Hex	67D268
RGB	103, 210, 104
RGB Percent	40%, 82%, 41%
CMY	0.5962, 0.1764, 0.5920
CMYK	0.51, 0.00, 0.50, 0.18
HSL	121°, 54%, 61%
HSV	121°, 51%, 82%
XYZ	31.1367, 49.9762, 21.1088
YIQ	165.9230, -29.7460, -55.6500

Conversions

Conversions Part 2

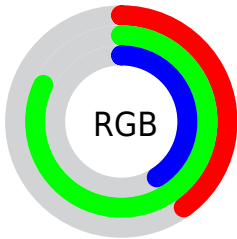
Format	Color
RYB	103, 209, 210
Decimal	6804072
CIELab	76.05, -52.11, 42.96
CIElCh	76, 67.535, 140.495
Yxy	49.9762, 0.3046, 0.4889
Android (android.graphics.Color)	4284994152 (0xFF67D268)
YUV	165.9230, -30.5280, -55.1835
Hunter-Lab	70.6938, -45.0948, 31.7820

Details

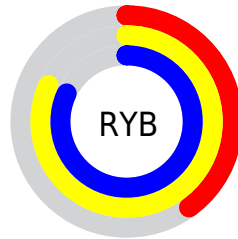
The Yxy color **49.9762, 0.3046, 0.4889** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.9968, 0.3195, 0.2084**, and the grayscale version is **38.2531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5314, 0.3094, 0.4462**, and **23.7996, 0.2955, 0.5396** is the 20% darker color. If you saturate the color by 10%, you get **48.5172, 0.3030, 0.5232**, and if you desaturate by 10%, it is **51.8554, 0.3063, 0.4533**.

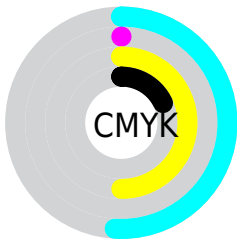
Distribution



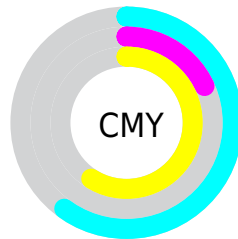
- Red (40%)
- Green (82%)
- Blue (41%)



- Red (40%)
- Yellow (82%)
- Blue (82%)



- Cyan (51%)
- Magenta (0%)
- Yellow (50%)
- Black (18%)



- Cyan (60%)
- Magenta (18%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9762, 0.3046, 0.4889 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 49.9762, 0.3046, 0.4889 by changing the saturation by 10% instead.


 49.9762, 0.3046,
0.4889

 49.9762, 0.3046,
0.4889


386.5729, 0.3127,
0.4043

 35.3945, 0.3011,
0.5110


 90.1396, 0.3086,
0.4573


 23.9669, 0.2957,
0.5398


 116.4901, 0.3098,
0.4456

 15.3091, 0.2869,
0.5782


 147.5323, 0.3106,
0.4359

 9.0366, 0.2715,
0.6312

 183.6506, 0.3113,
0.4277

 4.7651, 0.2505,
0.7285

225.2294, 0.3118,
0.4206

 2.1101, 0.1651,
0.8349

272.6532, 0.3121,

 0.6703, 0.0000,

0.4144

1.0000

326.3062, 0.3124,
0.4090

■ 0.0000, 0.0000,
0.0000

■ 49.9762, 0.3046,
0.4889

■ 49.9762, 0.3046,
0.4889

■ 48.5172, 0.3030,
0.5232

■ 51.8554, 0.3063,
0.4533

■ 47.4404, 0.3016,
0.5535

■ 54.1767, 0.3081,
0.4185

■ 46.7118, 0.3006,
0.5771

■ 56.9682, 0.3097,
0.3862

■ 46.2885, 0.3001,
0.5924

■ 60.2537, 0.3112,
0.3570

■ 46.1014, 0.2999,
0.5995

■ 64.0555, 0.3126,
0.3313

■ 68.3945, 0.3138,
0.3090

■ 73.2905, 0.3148,
0.2897

■ 74.5768, 0.3148,
0.2851

Harmonies

Analogous

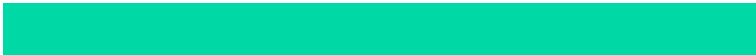
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9762, 0.3899, 0.4933



49.9762, 0.3046, 0.4889



49.9762, 0.2261, 0.4128

Triad

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



49.9762, 0.3046, 0.4889



49.9762, 0.1749, 0.2005



49.9762, 0.4699, 0.3172

Complementary

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



49.9762, 0.3046, 0.4889



27.9968, 0.3195, 0.2084

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.



49.9762, 0.3934, 0.2598



49.9762, 0.3046, 0.4889



49.9762, 0.2213, 0.1957

Square

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



49.9762, 0.3046, 0.4889



49.9762, 0.1595, 0.2366



49.9762, 0.2985, 0.2169



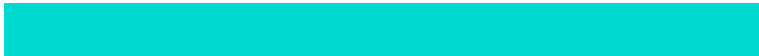
49.9762, 0.4931, 0.3811

Rectangle

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



49.9762, 0.3046, 0.4889



49.9762, 0.1885, 0.3435



49.9762, 0.2985, 0.2169



49.9762, 0.4491, 0.2970

Sweetspot

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



49.9783, 0.3046, 0.4889



91.2500, 0.3106, 0.3689



60.7780, 0.3867, 0.4513



19.2997, 0.3103, 0.3751



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.



49.9783, 0.3046, 0.4889



75.1376, 0.3029, 0.5255



51.3950, 0.2756, 0.4084



13.2082, 0.3115, 0.3528



28.1198, 0.2998, 0.5993



1.5730, 0.2992, 0.5970

Inverse Universe

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



27.9968, 0.3195, 0.2084



37.3900, 0.3208, 0.1887



25.8129, 0.3825, 0.2635



12.0070, 0.3139, 0.3063



11.1340, 0.3234, 0.1555



0.6232, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 49.9762, 0.3046, 0.4889 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 49.9762, 0.3046, 0.4889 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 49.9762, 0.3046, 0.4889

Background



This preview shows how black text looks on a background with the Yxy color 49.9762, 0.3046, 0.4889.



This preview shows how white text looks on a background with the Yxy color 49.9762, 0.3046, 0.4889.

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

49.9762, 0.3046, 0.4889

Protanopia

49.0842, 0.4016, 0.4368

Deuteranopia

49.1794, 0.4130, 0.4046



Tritanopia

49.7552, 0.2538, 0.3073

Trichromacy



Original Color

49.9762, 0.3046, 0.4889



Protanomaly

48.3661, 0.3610, 0.4579



Deuteranomaly

47.7548, 0.3672, 0.4359



Tritanomaly

49.1486, 0.2724, 0.3695

Monochromacy



Original Color

49.9762, 0.3046, 0.4889



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.2787, 0.3100, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9762, 0.3046, 0.4889 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(103, 210, 104)` looks like.

```
.text, #text, p{  
    color:rgb(103, 210, 104)  
}
```

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(103, 210, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 210, 104) }
```

Border

The CSS property to change the border of an element to Yxy 49.9762, 0.3046, 0.4889 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(103, 210, 104) }
```

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

```
.border{ border-color:rgb(103, 210, 104) }
```

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

Here you see how a box with a 4 pixel rgb(103, 210, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 210, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 210, 104);  
box-shadow:4px 4px 4px 4px rgb(103, 210,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9762, 0.3046, 0.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 210, 104) }
```

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

```
.background{ background-color: rgb(103,  
210, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor