

Converting Colors

Yxy(47.0007, 0.3073, 0.4847)

Have a look what the booklet for
Yxy(47.0007, 0.3073, 0.4847)
contains.

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Color

Yxy(47.1483, 0.3072, 0.4857)

Conversions

Conversions Part 1

Format	Color
Hex	69CC66
RGB	105, 204, 102
RGB Percent	41%, 80%, 40%
CMY	0.5881, 0.2000, 0.5999
CMYK	0.49, 0.00, 0.50, 0.20
HSL	118°, 50%, 60%
HSV	118°, 50%, 80%
XYZ	29.8208, 47.1483, 20.1038
YIQ	162.7710, -26.2620, -52.7100

Conversions

Conversions Part 2

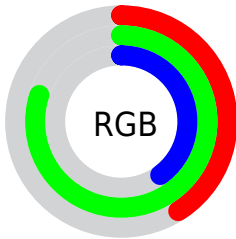
Format	Color
RYB	102, 204, 201
Decimal	6933606
CIELab	74.28, -49.40, 41.78
CIELCh	74, 64.700, 139.781
Yxy	47.1483, 0.3072, 0.4857
Android (android.graphics.Color)	4285123686 (0xFF69CC66)
YUV	162.7710, -29.9601, -50.6652
Hunter-Lab	68.6646, -42.6412, 30.7062

Details

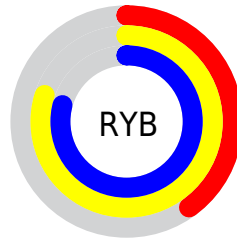
The Yxy color **47.1483, 0.3072, 0.4857** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.2812, 0.3151, 0.2084**, and the grayscale version is **36.6713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5679, 0.3110, 0.4484**, and **22.2694, 0.2989, 0.5375** is the 20% darker color. If you saturate the color by 10%, you get **45.7311, 0.3056, 0.5202**, and if you desaturate by 10%, it is **48.9481, 0.3087, 0.4501**.

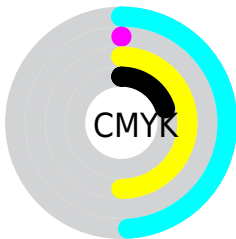
Distribution



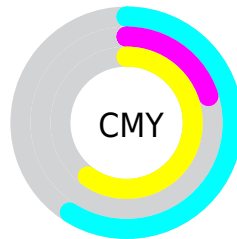
- Red (41%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)



- Cyan (59%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1483, 0.3072, 0.4857 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 47.1483, 0.3072, 0.4857 by changing the saturation by 10% instead.


 47.1483, 0.3072,
0.4857

 47.1483, 0.3072,
0.4857


375.4062, 0.3139,
0.4021

 33.1529, 0.3040,
0.5078


 85.9349, 0.3107,
0.4543

 22.2436, 0.2990,
0.5366


 111.4950, 0.3117,
0.4428

 14.0360, 0.2905,
0.5754

 141.6787, 0.3124,
0.4332

 8.1457, 0.2753,
0.6294

 176.8705, 0.3129,
0.4251

 4.1883, 0.2579,
0.7409

217.4547, 0.3132,
0.4181

 1.7795, 0.1430,
0.8570

263.8158, 0.3135,


 0.4743, 0.0000,


0.4121


1.0000


316.3382, 0.3137,
0.4068


 0.0000, 0.0000,
0.0000


 47.1483, 0.3072,
0.4857


 47.1483, 0.3072,
0.4857


 45.7311, 0.3056,
0.5202


 48.9481, 0.3087,
0.4501


 44.6634, 0.3040,
0.5508


 51.1490, 0.3100,
0.4156

 43.9166, 0.3025,
0.5751

 53.7752, 0.3111,
0.3835

 43.4547, 0.3013,
0.5912


 56.8477, 0.3120,
0.3545


 43.2241, 0.3006,
0.5996

 60.3857, 0.3127,
0.3290

 43.2240, 0.3006,
0.5996

 64.4074, 0.3133,
0.3067

 68.9303, 0.3138,
0.2875

 71.6650, 0.3151,
0.2792

Harmonies

Analogous

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



47.1483, 0.3907, 0.4891



47.1483, 0.3072, 0.4857



47.1483, 0.2297, 0.4130

Triad

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



47.1483, 0.3072, 0.4857



47.1483, 0.1768, 0.2035



47.1483, 0.4650, 0.3164

Complementary

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



47.1483, 0.3072, 0.4857



26.2812, 0.3151, 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.



47.1483, 0.3894, 0.2601



47.1483, 0.3072, 0.4857



47.1483, 0.2217, 0.1980

Square

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



47.1483, 0.3072, 0.4857



47.1483, 0.1623, 0.2401



47.1483, 0.2969, 0.2182



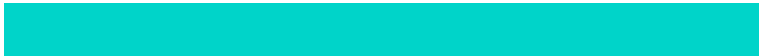
47.1483, 0.4894, 0.3792

Rectangle

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



47.1483, 0.3072, 0.4857



47.1483, 0.1921, 0.3458



47.1483, 0.2969, 0.2182



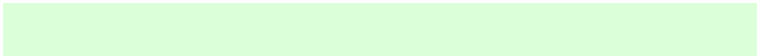
47.1483, 0.4443, 0.2965

Sweetspot

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



47.1503, 0.3072, 0.4857



91.4040, 0.3115, 0.3692



55.3835, 0.3872, 0.4459



19.3361, 0.3113, 0.3755



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.



47.1503, 0.3072, 0.4857



75.5759, 0.3055, 0.5228



48.2005, 0.2781, 0.4119



12.5525, 0.3120, 0.3529



27.2133, 0.3007, 0.5994



1.4096, 0.3032, 0.5975

Inverse Universe

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



26.2812, 0.3151, 0.2084



37.1342, 0.3151, 0.1875



24.7581, 0.3758, 0.2607



11.3862, 0.3133, 0.3061



10.3050, 0.3136, 0.1501



0.5371, 0.3151, 0.1510

Previews

White Background



This preview shows how the Yxy color 47.1483, 0.3072, 0.4857 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 47.1483, 0.3072, 0.4857 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 47.1483, 0.3072, 0.4857

Background



This preview shows how black text looks on a background with the Yxy color 47.1483, 0.3072, 0.4857.

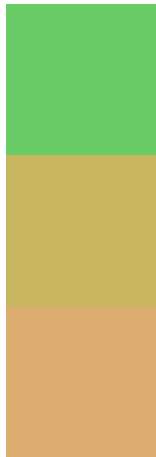


This preview shows how white text looks on a background with the Yxy color 47.1483, 0.3072, 0.4857.

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

47.1483, 0.3072, 0.4857

Protanopia

46.5434, 0.3999, 0.4373

Deuteranopia

46.2286, 0.4122, 0.4031



Tritanopia

46.7654, 0.2558, 0.3069

Trichromacy



Original Color

47.1483, 0.3072, 0.4857



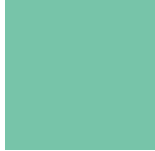
Protanomaly

45.6893, 0.3609, 0.4569



Deuteranomaly

44.8075, 0.3686, 0.4329



Tritanomaly

46.2664, 0.2751, 0.3689

Monochromacy



Original Color

47.1483, 0.3072, 0.4857



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.5147, 0.3109, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1483, 0.3072, 0.4857 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(105, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(105, 204, 102)  
}
```

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(105, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 204, 102) }
```

Border

The CSS property to change the border of an element to Yxy 47.1483, 0.3072, 0.4857 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(105, 204, 102) }
```

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

```
.border{ border-color:rgb(105, 204, 102) }
```

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

Here you see how a box with a 4 pixel rgb(105, 204, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(105, 204,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1483, 0.3072, 0.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 204, 102) }
```

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

```
.background{ background-color: rgb(105,  
204, 102) }
```

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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