

Converting Colors

Yxy(49.6094, 0.3082, 0.4669)

Have a look what the booklet for
Yxy(49.6094, 0.3082, 0.4669)
contains.

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Color

Yxy(49.6225, 0.3081, 0.4678)

Conversions

Conversions Part 1

Format	Color
Hex	75CF72
RGB	117, 207, 114
RGB Percent	46%, 81%, 45%
CMY	0.5413, 0.1882, 0.5530
CMYK	0.43, 0.00, 0.45, 0.19
HSL	118°, 49%, 63%
HSV	118°, 45%, 81%
XYZ	32.6821, 49.6225, 23.7717
YIQ	169.4880, -23.7870, -48.0030

Conversions

Conversions Part 2

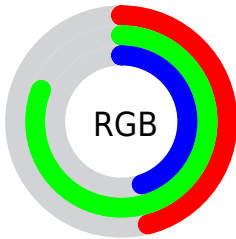
Format	Color
RYB	114, 207, 204
Decimal	7720818
CIELab	75.84, -45.56, 37.91
CIELCh	76, 59.270, 140.235
Yxy	49.6225, 0.3081, 0.4678
Android (android.graphics.Color)	4285910898 (0xFF75CF72)
YUV	169.4880, -27.3556, -46.0320
Hunter-Lab	70.4432, -40.4607, 29.3023

Details

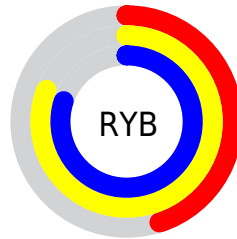
The Yxy color **49.6225, 0.3081, 0.4678** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.3805, 0.3147, 0.2192**, and the grayscale version is **40.0743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1943, 0.3113, 0.4319**, and **23.7873, 0.3014, 0.5115** is the 20% darker color. If you saturate the color by 10%, you get **47.9632, 0.3066, 0.5031**, and if you desaturate by 10%, it is **51.6897, 0.3095, 0.4325**.

Distribution



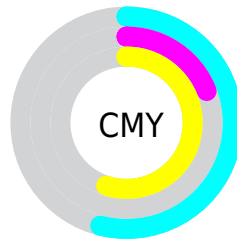
- Red (46%)
- Green (81%)
- Blue (45%)



- Red (45%)
- Yellow (81%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (45%)
- Black (19%)



- Cyan (54%)
- Magenta (19%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6225, 0.3081, 0.4678 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 49.6225, 0.3081, 0.4678 by changing the saturation by 10% instead.

 49.6225, 0.3081,
0.4678


 49.6225, 0.3081,
0.4678


385.1878, 0.3134,
0.3947


 35.1135, 0.3057,
0.4870


 89.6153, 0.3108,
0.4405

 23.7503, 0.3018,
0.5119


 115.8679, 0.3116,
0.4304

 15.1485, 0.2955,
0.5455


 146.8039, 0.3122,
0.4220

 8.9237, 0.2842,
0.5926

182.8076, 0.3126,
0.4149

 4.6914, 0.2653,
0.6686

224.2635, 0.3129,
0.4088

 2.0674, 0.2114,
0.7886

271.5559, 0.3131,

 0.6462, 0.0000,

0.4034

1.0000

325.0692, 0.3133,
0.3988

0.0000, 0.0000,
0.0000

49.6225, 0.3081,
0.4678

49.6225, 0.3081,
0.4678

47.9632, 0.3066,
0.5031

51.6897, 0.3095,
0.4325

46.6791, 0.3050,
0.5361

54.1826, 0.3106,
0.3990

45.7427, 0.3034,
0.5639


57.1255, 0.3116,
0.3685


45.1201, 0.3020,
0.5842


60.5390, 0.3124,
0.3412

44.7705, 0.3008,
0.5960

64.4424, 0.3130,
0.3173

 44.6731, 0.3006,
0.5995

 68.8540, 0.3135,
0.2966

 73.1104, 0.3149,
0.2821

Harmonies

Analogous

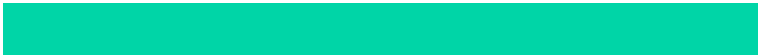
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.6225, 0.3845, 0.4745



49.6225, 0.3081, 0.4678



49.6225, 0.2371, 0.4027

Triad

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



49.6225, 0.3081, 0.4678



49.6225, 0.1883, 0.2140



49.6225, 0.4507, 0.3197

Complementary

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



49.6225, 0.3081, 0.4678



29.3805, 0.3147, 0.2192

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.



49.6225, 0.3834, 0.2670



49.6225, 0.3081, 0.4678



49.6225, 0.2308, 0.2087

Square

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



49.6225, 0.3081, 0.4678



49.6225, 0.1745, 0.2483



49.6225, 0.3001, 0.2277



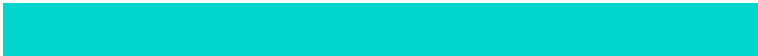
49.6225, 0.4730, 0.3782

Rectangle

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



49.6225, 0.3081, 0.4678



49.6225, 0.2025, 0.3436



49.6225, 0.3001, 0.2277



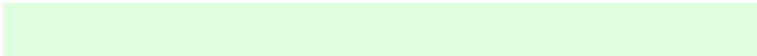
49.6225, 0.4322, 0.3011

Sweetspot

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



49.6246, 0.3081, 0.4678



92.4595, 0.3118, 0.3634



57.6241, 0.3804, 0.4354



19.5445, 0.3116, 0.3698



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.



49.6246, 0.3081, 0.4678



76.9273, 0.3066, 0.5022



50.6552, 0.2807, 0.4020



13.2240, 0.3121, 0.3530



28.1509, 0.3008, 0.5994



1.5805, 0.3033, 0.5974

Inverse Universe

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



29.3805, 0.3147, 0.2192



40.4472, 0.3148, 0.1987



27.9654, 0.3670, 0.2671



11.9890, 0.3133, 0.3061



10.6164, 0.3130, 0.1498



0.5998, 0.3145, 0.1506

Previews

White Background



This preview shows how the Yxy color 49.6225, 0.3081, 0.4678 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 49.6225, 0.3081, 0.4678 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 49.6225, 0.3081, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 49.6225, 0.3081, 0.4678.



This preview shows how white text looks on a background with the Yxy color 49.6225, 0.3081, 0.4678.

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

49.6225, 0.3081, 0.4678

Protanopia

48.9958, 0.3926, 0.4269

Deuteranopia

48.9092, 0.4029, 0.3957



Tritanopia

49.4676, 0.2597, 0.3075

Trichromacy



Original Color

49.6225, 0.3081, 0.4678



Protanomaly

48.4584, 0.3575, 0.4434



Deuteranomaly

47.8935, 0.3638, 0.4226



Tritanomaly

49.1103, 0.2776, 0.3632

Monochromacy



Original Color

49.6225, 0.3081, 0.4678



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.5209, 0.3112, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6225, 0.3081, 0.4678 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(117, 207, 114)` looks like.

```
.text, #text, p{  
    color:rgb(117, 207, 114)  
}
```

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(117, 207, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 207, 114) }
```

Border

The CSS property to change the border of an element to Yxy 49.6225, 0.3081, 0.4678 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(117, 207, 114) }
```

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

```
.border{ border-color:rgb(117, 207, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 207, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 207, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 207, 114);  
box-shadow:4px 4px 4px 4px rgb(117, 207,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6225, 0.3081, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 207, 114) }
```

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

```
.background{ background-color: rgb(117,  
207, 114) }
```

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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