

Converting Colors

$Yxy(49.9484, 0.2975, 0.4716)$

Have a look what the booklet for
Yxy(49.9484, 0.2975, 0.4716)
contains.

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Color

Yxy(50.1208, 0.2972, 0.4719)

Conversions

Conversions Part 1

Format	Color
Hex	65D274
RGB	101, 210, 116
RGB Percent	40%, 82%, 45%
CMY	0.6038, 0.1765, 0.5452
CMYK	0.52, 0.00, 0.45, 0.18
HSL	128°, 55%, 61%
HSV	128°, 52%, 82%
XYZ	31.5658, 50.1208, 24.5240
YIQ	166.6930, -34.7900, -52.3420

Conversions

Conversions Part 2

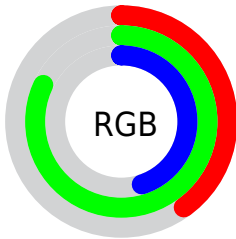
Format	Color
RYB	101, 197, 210
Decimal	6673012
CIELab	76.14, -50.91, 37.18
CIElCh	76, 63.046, 143.860
Yxy	50.1208, 0.2972, 0.4719
Android (android.graphics.Color)	4284863092 (0xFF65D274)
YUV	166.6930, -24.9916, -57.6128
Hunter-Lab	70.7960, -44.3054, 29.0189

Details

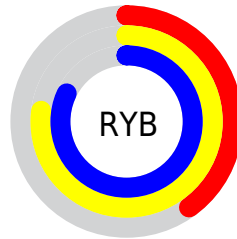
The Yxy color **50.1208, 0.2972, 0.4719** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.9556, 0.3348, 0.2196**, and the grayscale version is **38.6247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7555, 0.3023, 0.4319**, and **23.8979, 0.2875, 0.5165** is the 20% darker color. If you saturate the color by 10%, you get **48.6801, 0.2955, 0.5037**, and if you desaturate by 10%, it is **51.9575, 0.2996, 0.4400**.

Distribution



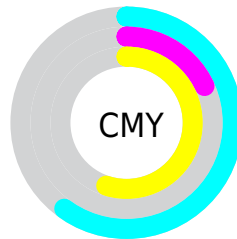
- Red (40%)
- Green (82%)
- Blue (45%)



- Red (40%)
- Yellow (77%)
- Blue (82%)



- Cyan (52%)
- Magenta (0%)
- Yellow (45%)
- Black (18%)





- Cyan (60%)
- Magenta (18%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1208, 0.2972, 0.4719 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 50.1208, 0.2972, 0.4719 by changing the saturation by 10% instead.


 50.1208, 0.2972,
0.4719


 50.1208, 0.2972,
0.4719


387.1382, 0.3080,
0.3963


 35.5094, 0.2934,
0.4918


 90.3538, 0.3019,
0.4436


 24.0555, 0.2879,
0.5178


 116.7442, 0.3035,
0.4332

 15.3748, 0.2793,
0.5531


 147.8298, 0.3047,
0.4245

 9.0829, 0.2650,
0.6026

 183.9948, 0.3056,
0.4171

 4.7953, 0.2411,
0.6805

225.6238, 0.3064,
0.4108

 2.1276, 0.1764,
0.8236

273.1011, 0.3070,

 0.6801, 0.0000,

0.4053

1.0000

326.8111, 0.3076,
0.4005

■ 0.0000, 0.0000,
0.0000

■ 50.1208, 0.2972,
0.4719

■ 50.1208, 0.2972,
0.4719

■ 48.6801, 0.2955,
0.5037

■ 51.9575, 0.2996,
0.4400

■ 47.6004, 0.2946,
0.5335

■ 54.2101, 0.3025,
0.4094

■ 46.8508, 0.2948,
0.5591

■ 56.9042, 0.3057,
0.3811

■ 46.3922, 0.2960,
0.5788

■ 60.0618, 0.3089,
0.3556

■ 46.1826, 0.2972,
0.5899

■ 63.7034, 0.3121,
0.3330

■ 67.8482, 0.3152,
0.3132

■ 72.5144, 0.3181,
0.2960

■ 74.5748, 0.3148,
0.2851

Harmonies

Analogous

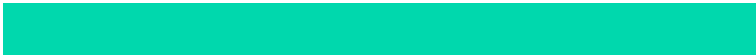
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.1208, 0.3780, 0.4853



50.1208, 0.2972, 0.4719



50.1208, 0.2250, 0.3962

Triad

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



50.1208, 0.2972, 0.4719



50.1208, 0.1859, 0.2059



50.1208, 0.4647, 0.3256

Complementary

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



50.1208, 0.2972, 0.4719



26.9556, 0.3348, 0.2196

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.



50.1208, 0.3978, 0.2696



50.1208, 0.2972, 0.4719



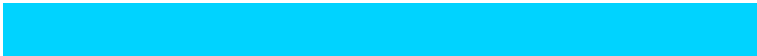
50.1208, 0.2337, 0.2040

Square

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



50.1208, 0.2972, 0.4719



50.1208, 0.1679, 0.2373



50.1208, 0.3094, 0.2267



50.1208, 0.4810, 0.3869

Rectangle

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



50.1208, 0.2972, 0.4719



50.1208, 0.1914, 0.3328



50.1208, 0.3094, 0.2267



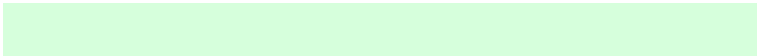
50.1208, 0.4471, 0.3060

Sweetspot

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



50.1229, 0.2972, 0.4719



91.0028, 0.3075, 0.3661



58.6998, 0.3757, 0.4592



19.2612, 0.3069, 0.3715



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.



50.1229, 0.2972, 0.4719



75.3780, 0.2954, 0.5062



51.7665, 0.2670, 0.3875



13.2323, 0.3097, 0.3497



28.1784, 0.2968, 0.5883



1.5843, 0.2891, 0.5609

Inverse Universe

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



26.9556, 0.3348, 0.2196



35.6918, 0.3405, 0.2017



24.9356, 0.4046, 0.2799



11.9800, 0.3158, 0.3092



10.4086, 0.3586, 0.1749



0.5899, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 50.1208, 0.2972, 0.4719 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 50.1208, 0.2972, 0.4719 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 50.1208, 0.2972, 0.4719

Background



This preview shows how black text looks on a background with the Yxy color 50.1208, 0.2972, 0.4719.

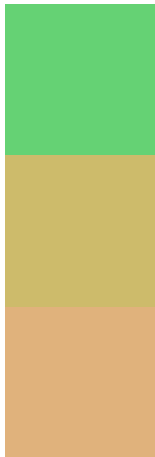


This preview shows how white text looks on a background with the Yxy color 50.1208, 0.2972, 0.4719.

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

50.1208, 0.2972, 0.4719

Protanopia

49.5813, 0.3922, 0.4265

Deuteranopia

49.1433, 0.4013, 0.3921



Tritanopia

50.0382, 0.2518, 0.3073

Trichromacy



Original Color

50.1208, 0.2972, 0.4719



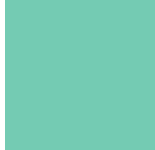
Protanomaly

48.3715, 0.3520, 0.4450



Deuteranomaly

47.7911, 0.3567, 0.4213



Tritanomaly

49.6795, 0.2685, 0.3635

Monochromacy



Original Color

50.1208, 0.2972, 0.4719



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.8447, 0.3061, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1208, 0.2972, 0.4719 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, 210, 116)` looks like.

```
.text, #text, p{  
    color:rgb(101, 210, 116)  
}
```

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, 210, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 210, 116) }
```

Border

The CSS property to change the border of an element to Yxy 50.1208, 0.2972, 0.4719 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, 210, 116) }
```

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

```
.border{ border-color:rgb(101, 210, 116) }
```

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

Here you see how a box with a 4 pixel rgb(101, 210, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 210, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 210, 116);  
box-shadow:4px 4px 4px 4px rgb(101, 210,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1208, 0.2972, 0.4719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 210, 116) }
```

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

```
.background{ background-color: rgb(101,  
210, 116) }
```

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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