

Converting Colors

$Yxy(45.0817, 0.2957, 0.4524)$

Have a look what the booklet for
Yxy(45.0817, 0.2957, 0.4524)
contains.

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Color

Yxy(45.1109, 0.2952, 0.4519)

Conversions

Conversions Part 1

Format	Color
Hex	67C779
RGB	103, 199, 121
RGB Percent	40%, 78%, 47%
CMY	0.5961, 0.2196, 0.5255
CMYK	0.48, 0.00, 0.39, 0.22
HSL	131°, 46%, 59%
HSV	131°, 48%, 78%
XYZ	29.4683, 45.1109, 25.2457
YIQ	161.4040, -32.1780, -44.6100

Conversions

Conversions Part 2

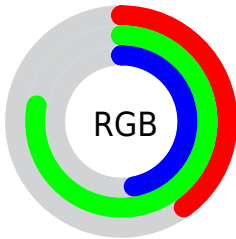
Format	Color
RYB	103, 184, 199
Decimal	6801273
CIELab	72.96, -45.06, 30.52
CIELCh	73, 54.423, 145.890
Yxy	45.1109, 0.2952, 0.4519
Android (android.graphics.Color)	4284991353 (0xFF67C779)
YUV	161.4040, -19.9192, -51.2203
Hunter-Lab	67.1646, -39.2217, 24.7294

Details

The Yxy color **45.1109, 0.2952, 0.4519** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.1788, 0.3385, 0.2319**, and the grayscale version is **35.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9469, 0.2998, 0.4258**, and **20.9369, 0.2862, 0.4932** is the 20% darker color. If you saturate the color by 10%, you get **43.7087, 0.2929, 0.4824**, and if you desaturate by 10%, it is **46.8633, 0.2982, 0.4222**.

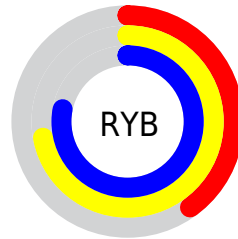
Distribution



Red (40%)

Green (78%)

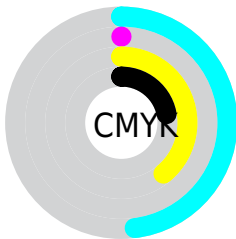
Blue (47%)



Red (40%)

Yellow (72%)

Blue (78%)

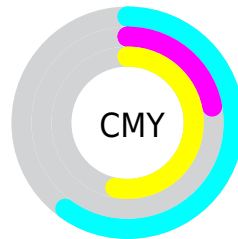


Cyan (48%)

Magenta (0%)

Yellow (39%)

Black (22%)



Cyan (60%)


Magenta (22%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1109, 0.2952, 0.4519 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 45.1109, 0.2952, 0.4519 by changing the saturation by 10% instead.


 45.1109, 0.2952,
0.4519

 45.1109, 0.2952,
0.4519


367.2225, 0.3063,
0.3861

 31.5448, 0.2915,
0.4697


 82.8868, 0.2999,
0.4270

 21.0140, 0.2863,
0.4932

 107.8654, 0.3014,
0.4179

 13.1343, 0.2782,
0.5256


 137.4169, 0.3027,
0.4104

 7.5211, 0.2649,
0.5728

 171.9258, 0.3037,
0.4040

 3.7901, 0.2418,
0.6495

211.7764, 0.3045,
0.3986

 1.5568, 0.1451,
0.8549

257.3531, 0.3052,

 0.3282, 0.0000,

0.3938

1.0000

309.0404, 0.3058,
0.3897

■ 0.0000, 0.0000,
0.0000

■ 45.1109, 0.2952,
0.4519

■ 45.1109, 0.2952,
0.4519

■ 43.7087, 0.2929,
0.4824

■ 46.8633, 0.2982,
0.4222

■ 42.6277, 0.2917,
0.5122

■ 48.9816, 0.3018,
0.3942

■ 41.8432, 0.2916,
0.5395

■ 51.4873, 0.3056,
0.3687

■ 41.3243, 0.2928,
0.5625

■ 54.3984, 0.3095,
0.3458

■ 41.0255, 0.2949,
0.5801


■ 57.7320, 0.3134,
0.3256

 40.9842, 0.2952,
0.5826

 61.5042, 0.3171,
0.3080

 65.7300, 0.3206,
0.2926

 69.0324, 0.3186,
0.2785

 69.3285, 0.3153,
0.2742

Harmonies

Analogous

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



45.1109, 0.3686, 0.4699



45.1109, 0.2952, 0.4519



45.1109, 0.2305, 0.3833

Triad

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



45.1109, 0.2952, 0.4519



45.1109, 0.1993, 0.2163



45.1109, 0.4513, 0.3311

Complementary

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



45.1109, 0.2952, 0.4519



25.1788, 0.3385, 0.2319

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.



45.1109, 0.3941, 0.2787



45.1109, 0.2952, 0.4519



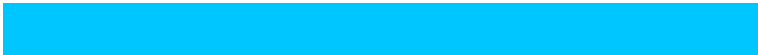
45.1109, 0.2454, 0.2156

Square

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



45.1109, 0.2952, 0.4519



45.1109, 0.1808, 0.2440



45.1109, 0.3156, 0.2379



45.1109, 0.4636, 0.3877

Rectangle

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



45.1109, 0.2952, 0.4519



45.1109, 0.2006, 0.3279



45.1109, 0.3156, 0.2379



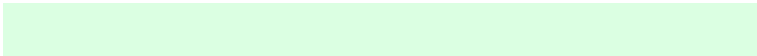
45.1109, 0.4365, 0.3128

Sweetspot

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



45.1128, 0.2952, 0.4519



92.1175, 0.3072, 0.3592



51.7003, 0.3676, 0.4522



19.4851, 0.3063, 0.3643



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.



45.1128, 0.2952, 0.4519



76.3970, 0.2928, 0.4842



46.5817, 0.2666, 0.3747



11.9199, 0.3091, 0.3483



26.3624, 0.2947, 0.5808



1.2583, 0.2842, 0.5430

Inverse Universe

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



25.1788, 0.3385, 0.2319



37.3563, 0.3459, 0.2139



23.5475, 0.4014, 0.2894



10.7812, 0.3166, 0.3104



9.4896, 0.3743, 0.1836



0.4584, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 45.1109, 0.2952, 0.4519 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 45.1109, 0.2952, 0.4519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

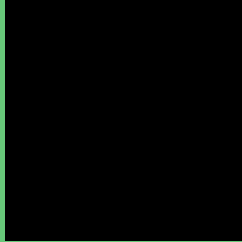
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1109, 0.2952, 0.4519

Background



This preview shows how black text looks on a background with the Yxy color 45.1109, 0.2952, 0.4519.



This preview shows how white text looks on a background with the Yxy color 45.1109, 0.2952, 0.4519.

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

45.1109, 0.2952, 0.4519

Protanopia

44.5024, 0.3821, 0.4132

Deuteranopia

44.1568, 0.3896, 0.3811



Tritanopia

44.8924, 0.2545, 0.3078

Trichromacy



Original Color

45.1109, 0.2952, 0.4519



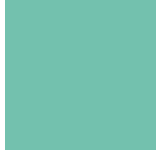
Protanomaly

43.9558, 0.3454, 0.4288



Deuteranomaly

43.2991, 0.3502, 0.4072



Tritanomaly

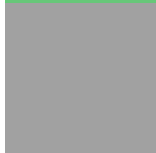
44.8408, 0.2691, 0.3572

Monochromacy



Original Color

45.1109, 0.2952, 0.4519



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.3107, 0.3054, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1109, 0.2952, 0.4519 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, 199, 121)` looks like.

```
.text, #text, p{  
    color:rgb(103, 199, 121)  
}
```

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, 199, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 199, 121) }
```

Border

The CSS property to change the border of an element to Yxy 45.1109, 0.2952, 0.4519 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, 199, 121) }
```

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

```
.border{ border-color:rgb(103, 199, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 199, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 199, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 199, 121);  
box-shadow:4px 4px 4px 4px rgb(103, 199,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1109, 0.2952, 0.4519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 199, 121) }
```

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

```
.background{ background-color: rgb(103,  
199, 121) }
```

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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