

Converting Colors

$Yxy(45.5695, 0.3350, 0.4342)$

Have a look what the booklet for
Yxy(45.5695, 0.3350, 0.4342)
contains.

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Color

Yxy(45.7796, 0.3353, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	99C076
RGB	153, 192, 118
RGB Percent	60%, 75%, 46%
CMY	0.4000, 0.2470, 0.5374
CMYK	0.20, 0.00, 0.39, 0.25
HSL	92°, 37%, 61%
HSV	92°, 39%, 75%
XYZ	35.2547, 45.7796, 24.1095
YIQ	171.9030, 0.5100, -31.2820

Conversions

Conversions Part 2

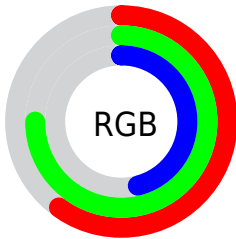
Format	Color
RYB	118, 192, 157
Decimal	10076278
CIELab	73.40, -26.11, 33.15
CIELCh	73, 42.191, 128.224
Yxy	45.7796, 0.3353, 0.4354
Android (android.graphics.Color)	4288266358 (0xFF99C076)
YUV	171.9030, -26.5742, -16.5779
Hunter-Lab	67.6606, -25.3983, 26.2357

Details

The Yxy color **45.7796, 0.3353, 0.4354** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **23.9238, 0.2801, 0.2241**, and the grayscale version is **41.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1015, 0.3319, 0.4152**, and **21.3036, 0.3385, 0.4686** is the 20% darker color. If you saturate the color by 10%, you get **44.4276, 0.3395, 0.4655**, and if you desaturate by 10%, it is **47.3120, 0.3301, 0.4056**.

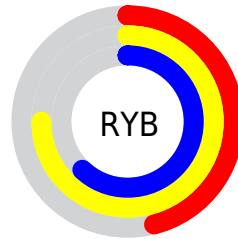
Distribution



Red (60%)

Green (75%)

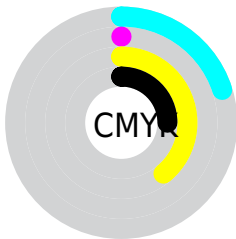
Blue (46%)



Red (46%)

Yellow (75%)

Blue (62%)

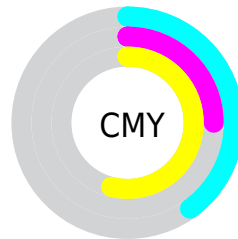


Cyan (20%)

Magenta (0%)

Yellow (39%)

Black (25%)



Cyan (40%)


Magenta (25%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7796, 0.3353, 0.4354 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 45.7796, 0.3353, 0.4354 by changing the saturation by 10% instead.


 45.7796, 0.3353,
0.4354


 45.7796, 0.3353,
0.4354


369.9219, 0.3257,
0.3799


 32.0719, 0.3370,
0.4498


 83.8891, 0.3323,
0.4148

 21.4164, 0.3386,
0.4686


 109.0596, 0.3310,
0.4072

 13.4288, 0.3399,
0.4938


 138.8200, 0.3299,
0.4008

 7.7244, 0.3397,
0.5290

173.5545, 0.3289,
0.3953

 3.9191, 0.3380,
0.5866

213.6475, 0.3280,
0.3907

 1.6284, 0.3219,
0.6781

259.4835, 0.3271,

 0.3767, 0.0000,

0.3866

1.0000

311.4468, 0.3264,
0.3830

0.0000, 0.0000,
0.0000

45.7796, 0.3353,
0.4354

45.7796, 0.3353,
0.4354

44.4276, 0.3395,
0.4655

47.3120, 0.3301,
0.4056

43.2422, 0.3422,
0.4945

49.0260, 0.3242,
0.3770

42.2171, 0.3430,
0.5211


50.9303, 0.3181,
0.3502

41.3429, 0.3418,
0.5435


53.0313, 0.3118,
0.3256

40.6087, 0.3385,
0.5606


55.3350, 0.3057,
0.3033


 39.9986, 0.3336,
0.5724

 57.8471, 0.2998,
0.2832

 39.9177, 0.3328,
0.5739

 60.5732, 0.2942,
0.2653

 62.4041, 0.2999,
0.2643

 64.1653, 0.3074,
0.2657

Harmonies

Analogous

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



45.7796, 0.3893, 0.4295



45.7796, 0.3353, 0.4354



45.7796, 0.2780, 0.4034

Triad

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



45.7796, 0.3353, 0.4354



45.7796, 0.2105, 0.2508



45.7796, 0.3970, 0.3067

Complementary

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



45.7796, 0.3353, 0.4354



23.9238, 0.2801, 0.2241

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.



45.7796, 0.3411, 0.2684



45.7796, 0.3353, 0.4354



45.7796, 0.2354, 0.2364

Square

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



45.7796, 0.3353, 0.4354



45.7796, 0.2093, 0.2885



45.7796, 0.2815, 0.2433



45.7796, 0.4285, 0.3519

Rectangle

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



45.7796, 0.3353, 0.4354



45.7796, 0.2457, 0.3659



45.7796, 0.2815, 0.2433



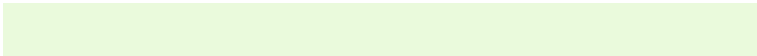
45.7796, 0.3801, 0.2929

Sweetspot

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



45.7816, 0.3353, 0.4354



90.9807, 0.3203, 0.3597



36.3673, 0.3867, 0.3808



19.4204, 0.3211, 0.3632



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7816, 0.3353, 0.4354



80.9173, 0.3388, 0.4601



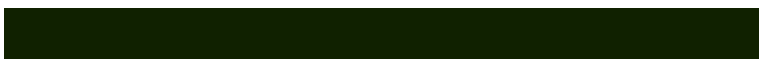
42.8890, 0.3065, 0.4431



11.4872, 0.3186, 0.3523



26.9039, 0.3337, 0.5732



1.2034, 0.3514, 0.5592

Inverse Universe

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



23.9238, 0.2801, 0.2241



35.8803, 0.2709, 0.2003



27.9100, 0.3184, 0.2364



10.0033, 0.3064, 0.3058



4.4760, 0.2087, 0.0923



0.2342, 0.2327, 0.1056

Previews

White Background



This preview shows how the Yxy color 45.7796, 0.3353, 0.4354 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 45.7796, 0.3353, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

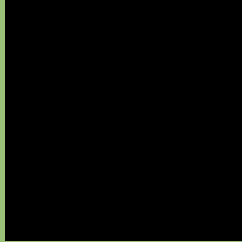
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7796, 0.3353, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 45.7796, 0.3353, 0.4354.



This preview shows how white text looks on a background with the Yxy color 45.7796, 0.3353, 0.4354.

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

45.7796, 0.3353, 0.4354

Protanopia

45.5705, 0.3830, 0.4149

Deuteranopia

45.3573, 0.3978, 0.3898



Tritanopia

45.8975, 0.2876, 0.3104

Trichromacy



Original Color

45.7796, 0.3353, 0.4354

Protanomaly

45.2221, 0.3644, 0.4220

Deuteranomaly

44.8271, 0.3732, 0.4049

Tritanomaly

45.5220, 0.3058, 0.3540

Monochromacy



Original Color

45.7796, 0.3353, 0.4354

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.5065, 0.3223, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7796, 0.3353, 0.4354 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(153, 192, 118)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 118)  
}
```

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(153, 192, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 118) }
```

Border

The CSS property to change the border of an element to Yxy 45.7796, 0.3353, 0.4354 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(153, 192, 118) }
```

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

```
.border{ border-color:rgb(153, 192, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 192, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 192, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 192, 118);  
box-shadow:4px 4px 4px 4px rgb(153, 192,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7796, 0.3353, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 118) }
```

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

```
.background{ background-color: rgb(153,  
192, 118) }
```

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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