

Converting Colors

$Yxy(48.0255, 0.3268, 0.4472)$

Have a look what the booklet for
Yxy(48.0255, 0.3268, 0.4472)
contains.

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Color

Yxy(48.0605, 0.3270, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	90C775
RGB	144, 199, 117
RGB Percent	56%, 78%, 46%
CMY	0.4353, 0.2196, 0.5412
CMYK	0.28, 0.00, 0.41, 0.22
HSL	100°, 42%, 62%
HSV	100°, 41%, 78%
XYZ	35.1348, 48.0605, 24.2505
YIQ	173.2070, -6.4580, -37.1620

Conversions

Conversions Part 2

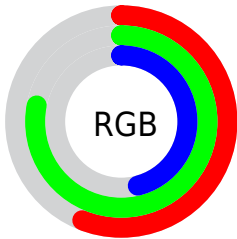
Format	Color
RYB	117, 199, 172
Decimal	9488245
CIELab	74.86, -32.81, 35.43
CIELCh	75, 48.287, 132.802
Yxy	48.0605, 0.3270, 0.4473
Android (android.graphics.Color)	4287678325 (0xFF90C775)
YUV	173.2070, -27.7101, -25.6145
Hunter-Lab	69.3257, -30.8548, 27.7880

Details

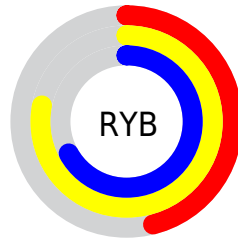
The Yxy color **48.0605, 0.3270, 0.4473** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.6145, 0.2891, 0.2199**, and the grayscale version is **42.0470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5644, 0.3257, 0.4236**, and **22.8802, 0.3271, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **46.5115, 0.3287, 0.4793**, and if you desaturate by 10%, it is **49.8552, 0.3243, 0.4156**.

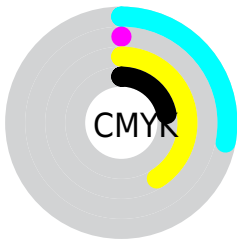
Distribution



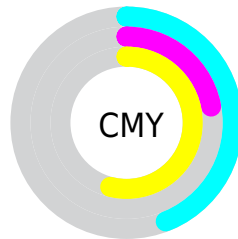
- Red (56%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (67%)



- Cyan (28%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)




- Cyan (44%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0605, 0.3270, 0.4473 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 48.0605, 0.3270, 0.4473 by changing the saturation by 10% instead.


 48.0605, 0.3270,
0.4473


 48.0605, 0.3270,
0.4473


379.0319, 0.3221,
0.3855

 33.8748, 0.3273,
0.4633


 87.2945, 0.3258,
0.4244

 22.7974, 0.3272,
0.4841


 113.1115, 0.3252,
0.4159

 14.4440, 0.3260,
0.5120


 143.5745, 0.3246,
0.4088

 8.4301, 0.3220,
0.5510

179.0678, 0.3240,
0.4027

 4.3714, 0.3140,
0.6131

219.9758, 0.3235,
0.3975

 1.8834, 0.2883,
0.7117

266.6829, 0.3230,

 0.5384, 0.0000,

0.3930

1.0000

319.5734, 0.3225,
0.3891

■ 0.0000, 0.0000,
0.0000

■ 48.0605, 0.3270,
0.4473

■ 48.0605, 0.3270,
0.4473

■ 46.5115, 0.3287,
0.4793

■ 49.8552, 0.3243,
0.4156

■ 45.1908, 0.3291,
0.5102

■ 51.9000, 0.3209,
0.3854

■ 44.0881, 0.3279,
0.5379


■ 54.2067, 0.3172,
0.3574


■ 43.1897, 0.3251,
0.5607

■ 56.7846, 0.3132,
0.3319

■ 42.4801, 0.3208,
0.5772


■ 59.6426, 0.3092,
0.3091

 41.9915, 0.3165,
0.5869

 62.7889, 0.3053,
0.2887

 66.1481, 0.3024,
0.2720

 68.5374, 0.3122,
0.2737

 69.3295, 0.3153,
0.2742

Harmonies

Analogous

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



48.0605, 0.3892, 0.4450



48.0605, 0.3270, 0.4473



48.0605, 0.2642, 0.4048

Triad

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



48.0605, 0.3270, 0.4473



48.0605, 0.2019, 0.2374



48.0605, 0.4154, 0.3109

Complementary

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



48.0605, 0.3270, 0.4473



25.6145, 0.2891, 0.2199

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.



48.0605, 0.3547, 0.2672



48.0605, 0.3270, 0.4473



48.0605, 0.2328, 0.2259

Square

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



48.0605, 0.3270, 0.4473



48.0605, 0.1964, 0.2746



48.0605, 0.2869, 0.2371



48.0605, 0.4449, 0.3610

Rectangle

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



48.0605, 0.3270, 0.4473



48.0605, 0.2305, 0.3598



48.0605, 0.2869, 0.2371



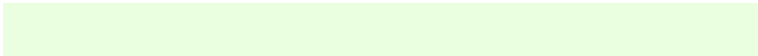
48.0605, 0.3976, 0.2952

Sweetspot

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



48.0626, 0.3270, 0.4473



94.4967, 0.3175, 0.3600



42.8055, 0.3868, 0.3994



20.1071, 0.3181, 0.3636



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.



48.0626, 0.3270, 0.4473



81.8128, 0.3285, 0.4746



46.2602, 0.2984, 0.4336



12.0546, 0.3165, 0.3525



27.0425, 0.3174, 0.5862



1.3201, 0.3342, 0.5729

Inverse Universe

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



25.6145, 0.2891, 0.2199



37.4730, 0.2825, 0.1970



28.3801, 0.3319, 0.2434



10.6349, 0.3086, 0.3059



5.9320, 0.2400, 0.1096



0.3191, 0.2573, 0.1191

Previews

White Background



This preview shows how the Yxy color 48.0605, 0.3270, 0.4473 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 48.0605, 0.3270, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

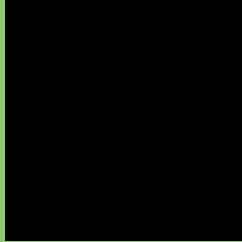
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0605, 0.3270, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 48.0605, 0.3270, 0.4473.



This preview shows how white text looks on a background with the Yxy color 48.0605, 0.3270, 0.4473.

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

48.0605, 0.3270, 0.4473

Protanopia

47.8462, 0.3872, 0.4201

Deuteranopia

47.6715, 0.4003, 0.3931



Tritanopia

48.0239, 0.2781, 0.3092

Trichromacy



Original Color

48.0605, 0.3270, 0.4473

Protanomaly

47.2907, 0.3639, 0.4302

Deuteranomaly

46.8435, 0.3718, 0.4120

Tritanomaly

47.8908, 0.2965, 0.3581

Monochromacy



Original Color

48.0605, 0.3270, 0.4473

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.4372, 0.3185, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0605, 0.3270, 0.4473 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(144, 199, 117)` looks like.

```
.text, #text, p{  
    color:rgb(144, 199, 117)  
}
```

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(144, 199, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 199, 117) }
```

Border

The CSS property to change the border of an element to Yxy 48.0605, 0.3270, 0.4473 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(144, 199, 117) }
```

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

```
.border{ border-color:rgb(144, 199, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 199, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 199, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 199, 117); box-shadow:4px 4px 4px 4px rgb(144, 199, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0605, 0.3270, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 199, 117) }
```

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

```
.background{ background-color: rgb(144,  
199, 117) }
```

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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