

Converting Colors

$Yxy(30.1155, 0.3549, 0.4548)$

Have a look what the booklet for
Yxy(30.1155, 0.3549, 0.4548)
contains.

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Color

Yxy(30.0495, 0.3548, 0.4552)

Conversions

Conversions Part 1

Format	Color
Hex	859E52
RGB	133, 158, 82
RGB Percent	52%, 62%, 32%
CMY	0.4784, 0.3804, 0.6785
CMYK	0.16, 0.00, 0.48, 0.38
HSL	80°, 32%, 47%
HSV	80°, 48%, 62%
XYZ	23.4217, 30.0495, 12.5426
YIQ	141.8610, 9.4960, -28.9360

Conversions

Conversions Part 2

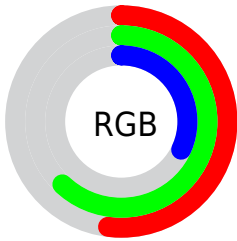
Format	Color
RYB	82, 158, 107
Decimal	8756818
CIELab	61.70, -21.43, 36.65
CIELCh	62, 42.453, 120.318
Yxy	30.0495, 0.3548, 0.4552
Android (android.graphics.Color)	4286946898 (0xFF859E52)
YUV	141.8610, -29.5115, -7.7711
Hunter-Lab	54.8174, -19.6632, 24.8062

Details

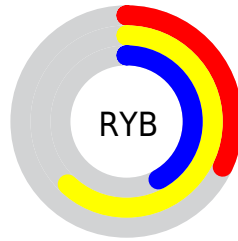
The Yxy color **30.0495, 0.3548, 0.4552** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.6240, 0.2514, 0.1916**, and the grayscale version is **27.1080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8468, 0.3477, 0.4288**, and **12.3745, 0.3620, 0.5019** is the 20% darker color. If you saturate the color by 10%, you get **29.4248, 0.3609, 0.4807**, and if you desaturate by 10%, it is **30.7531, 0.3472, 0.4283**.

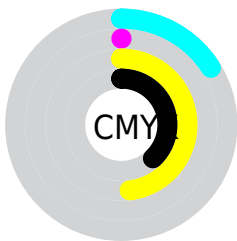
Distribution



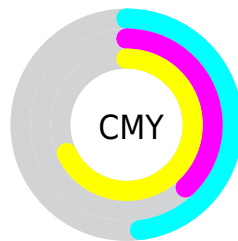
- Red (52%)
- Green (62%)
- Blue (32%)



- Red (32%)
- Yellow (62%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (48%)
- Black (38%)





- Cyan (48%)
- Magenta (38%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0495, 0.3548, 0.4552 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 30.0495, 0.3548, 0.4552 by changing the saturation by 10% instead.


 30.0495, 0.3548,
0.4552


 30.0495, 0.3548,
0.4552


302.1351, 0.3348,
0.3856


 19.8762, 0.3587,
0.4745


 59.7405, 0.3481,
0.4284

 12.3051, 0.3627,
0.5001


 80.0269, 0.3454,
0.4188

 6.9518, 0.3656,
0.5351


 104.4531, 0.3431,
0.4108

 3.4320, 0.3798,
0.6107

 133.4035, 0.3410,
0.4042

 1.3612, 0.3420,
0.6580

 167.2625, 0.3392,
0.3985

 0.1879, 0.0000,
1.0000

206.4145, 0.3376,

 0.0000, 0.0000,

0.3936

0.0000

251.2439, 0.3361,
0.3893

■ 30.0495, 0.3548,
0.4552

■ 30.0495, 0.3548,
0.4552

■ 29.4248, 0.3609,
0.4807

■ 30.7531, 0.3472,
0.4283

■ 28.8710, 0.3650,
0.5036

■ 31.5356, 0.3387,
0.4010

■ 28.3847, 0.3669,
0.5229


■ 32.4016, 0.3296,
0.3742

■ 27.9605, 0.3663,
0.5376

■ 33.3544, 0.3202,
0.3486


■ 27.5888, 0.3637,
0.5480

■ 34.3971, 0.3110,
0.3246

 27.5221, 0.3631,
0.5499

 35.5327, 0.3021,
0.3024

 36.7637, 0.2936,
0.2821

 38.0929, 0.2856,
0.2637

 39.5228, 0.2781,
0.2471

Harmonies

Analogous

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



30.0495, 0.4132, 0.4356



30.0495, 0.3548, 0.4552



30.0495, 0.2884, 0.4306

Triad

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



30.0495, 0.3548, 0.4552



30.0495, 0.1936, 0.2475



30.0495, 0.3949, 0.2905

Complementary

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



30.0495, 0.3548, 0.4552



11.6240, 0.2514, 0.1916

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.



30.0495, 0.3262, 0.2509



30.0495, 0.3548, 0.4552



30.0495, 0.2146, 0.2253

Square

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



30.0495, 0.3548, 0.4552



30.0495, 0.1992, 0.2967



30.0495, 0.2605, 0.2276



30.0495, 0.4410, 0.3398

Rectangle

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



30.0495, 0.3548, 0.4552



30.0495, 0.2487, 0.3905



30.0495, 0.2605, 0.2276



30.0495, 0.3732, 0.2758

Sweetspot

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



30.0508, 0.3548, 0.4552



59.4831, 0.3260, 0.3642



18.1969, 0.4209, 0.3686



13.3322, 0.3279, 0.3695



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.0508, 0.3548, 0.4552



53.3236, 0.3614, 0.4832



27.5465, 0.3177, 0.4715



7.6110, 0.3213, 0.3514



22.0627, 0.3636, 0.5495



0.4164, 0.3871, 0.5309

Inverse Universe

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



11.6240, 0.2514, 0.1916



15.7064, 0.2334, 0.1579



14.4347, 0.2992, 0.2087



6.5359, 0.3036, 0.3062



2.5807, 0.1758, 0.0742



0.0678, 0.2202, 0.0986

Previews

White Background



This preview shows how the Yxy color 30.0495, 0.3548, 0.4552 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0495, 0.3548, 0.4552 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 30.0495, 0.3548, 0.4552

Background



This preview shows how black text looks on a background with the Yxy color 30.0495, 0.3548, 0.4552.



This preview shows how white text looks on a background with the Yxy color 30.0495, 0.3548, 0.4552.

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

30.0495, 0.3548, 0.4552

Protanopia

29.9519, 0.3972, 0.4331

Deuteranopia

29.8416, 0.4154, 0.4076



Tritanopia

29.9077, 0.2957, 0.3102

Trichromacy



Original Color

30.0495, 0.3548, 0.4552

Protanomaly

29.8080, 0.3818, 0.4409

Deuteranomaly

29.7282, 0.3926, 0.4238

Tritanomaly

29.6114, 0.3182, 0.3619

Monochromacy



Original Color

30.0495, 0.3548, 0.4552

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.0248, 0.3304, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0495, 0.3548, 0.4552 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(133, 158, 82)` looks like.

```
.text, #text, p{  
    color:rgb(133, 158, 82)  
}
```

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(133, 158, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 158, 82) }
```

Border

The CSS property to change the border of an element to Yxy 30.0495, 0.3548, 0.4552 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(133, 158, 82) }
```

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

```
.border{ border-color:rgb(133, 158, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 158, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 158, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 158, 82);  
box-shadow:4px 4px 4px 4px rgb(133, 158,  
82) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.0495, 0.3548, 0.4552$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 158, 82) }
```

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

```
.background{ background-color: rgb(133,  
158, 82) }
```

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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