

Converting Colors

$Y_{xy}(13.8556, 0.3732, 0.4684)$

Have a look what the booklet for
Yxy(13.8556, 0.3732, 0.4684)
contains.

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Color

Yxy(13.9458, 0.3734, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	626E2E
RGB	98, 110, 46
RGB Percent	38%, 43%, 18%
CMY	0.6157, 0.5686, 0.8196
CMYK	0.11, 0.00, 0.58, 0.57
HSL	71°, 41%, 31%
HSV	71°, 58%, 43%
XYZ	11.1055, 13.9458, 4.6902
YIQ	99.1160, 13.3920, -22.4480

Conversions

Conversions Part 2

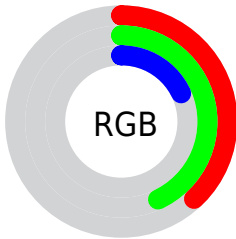
Format	Color
R _Y B	46, 110, 58
Decimal	6450734
CIE Lab	44.16, -14.85, 33.61
CIE LCh	44, 36.742, 113.841
Yxy	13.9458, 0.3734, 0.4689
Android (android.graphics.Color)	4284640814 (0xFF626E2E)
YUV	99.1160, -26.1862, -0.9787
Hunter-Lab	37.3441, -12.2693, 18.6943

Details

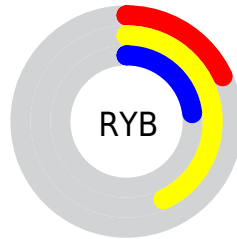
The Yxy color **13.9458, 0.3734, 0.4689** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.9789, 0.2237, 0.1608**, and the grayscale version is **12.5728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1328, 0.3612, 0.4349**, and **4.0982, 0.3872, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **13.7572, 0.3802, 0.4890**, and if you desaturate by 10%, it is **14.1609, 0.3648, 0.4463**.

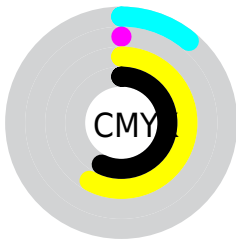
Distribution



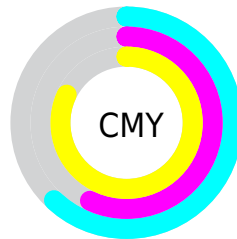
- Red (38%)
- Green (43%)
- Blue (18%)



- Red (18%)
- Yellow (43%)
- Blue (23%)



- Cyan (11%)
- Magenta (0%)
- Yellow (58%)
- Black (57%)





- Cyan (62%)
- Magenta (57%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9458, 0.3734, 0.4689 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 13.9458, 0.3734, 0.4689 by changing the saturation by 10% instead.


 13.9458, 0.3734,
0.4689

 13.9458, 0.3734,
0.4689


216.8934, 0.3405,
0.3840


 8.0830, 0.3807,
0.4959


 32.9928, 0.3614,
0.4338


 4.1481, 0.3901,
0.5371

 46.9458, 0.3568,
0.4220


 1.7567, 0.3978,
0.6022

 64.3643, 0.3529,
0.4125

 0.4600, 0.1397,
0.8603

 85.6327, 0.3497,
0.4047

 0.0000, 0.0000,
0.0000

 111.1355, 0.3468,
0.3982

 141.2569, 0.3444,

0.3927

176.3814, 0.3423,
0.3881

■ 13.9458, 0.3734,
0.4689

■ 13.9458, 0.3734,
0.4689

■ 13.7572, 0.3802,
0.4890

■ 14.1609, 0.3648,
0.4463

■ 13.5914, 0.3849,
0.5057

■ 14.4021, 0.3550,
0.4220

■ 13.4471, 0.3872,
0.5185

■ 14.6715, 0.3442,
0.3971

■ 13.3178, 0.3879,
0.5283

■ 14.9705, 0.3330,
0.3722

■ 13.2948, 0.3880,
0.5301

■ 15.3002, 0.3218,
0.3480

■ 15.6619, 0.3107,
0.3249

■ 16.0566, 0.3001,
0.3033

■ 16.4854, 0.2900,
0.2832

■ 16.9493, 0.2806,
0.2647

Harmonies

Analogous

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



13.9458, 0.4342, 0.4366



13.9458, 0.3734, 0.4689



13.9458, 0.3002, 0.4548

Triad

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



13.9458, 0.3734, 0.4689



13.9458, 0.1807, 0.2471



13.9458, 0.3889, 0.2755

Complementary

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



13.9458, 0.3734, 0.4689



3.9789, 0.2237, 0.1608

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.



13.9458, 0.3103, 0.2359



13.9458, 0.3734, 0.4689



13.9458, 0.1973, 0.2174

Square

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



13.9458, 0.3734, 0.4689



13.9458, 0.1926, 0.3074



13.9458, 0.2415, 0.2150



13.9458, 0.4485, 0.3273

Rectangle

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



13.9458, 0.3734, 0.4689



13.9458, 0.2542, 0.4149



13.9458, 0.2415, 0.2150



13.9458, 0.3632, 0.2606

Sweetspot

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



13.9464, 0.3734, 0.4689



26.3296, 0.3322, 0.3704



6.5112, 0.4595, 0.3552



6.1092, 0.3338, 0.3738



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.9464, 0.3734, 0.4689



24.0466, 0.3822, 0.4956



12.5175, 0.3279, 0.4926



3.8862, 0.3227, 0.3500



15.9583, 0.3877, 0.5303



79.1451, 0.3859, 0.5318

Inverse Universe

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



3.9789, 0.2237, 0.1608



4.7043, 0.1997, 0.1210



5.2396, 0.2794, 0.1834



3.3278, 0.3022, 0.3075



1.5286, 0.1614, 0.0663



7.3274, 0.1577, 0.0642

Previews

White Background



This preview shows how the Yxy color 13.9458, 0.3734, 0.4689 looks on a white background.

Color Contrast Check

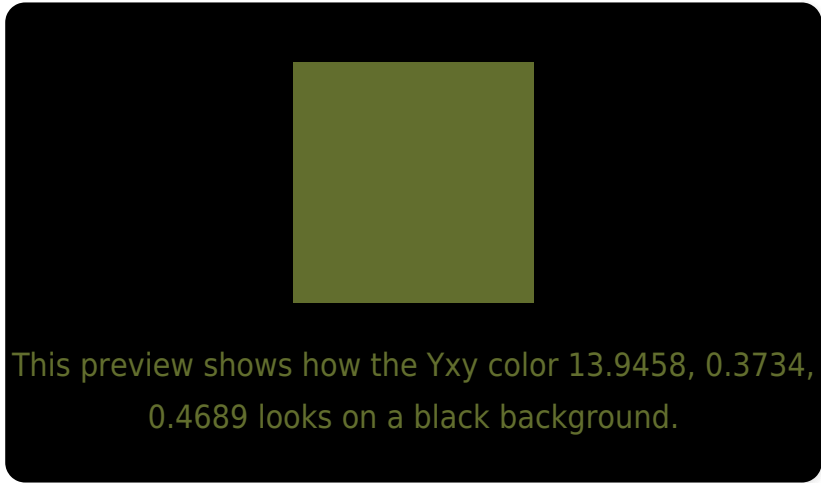
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

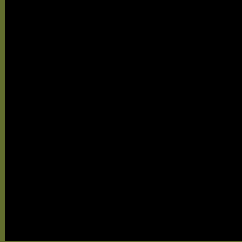
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9458, 0.3734, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 13.9458, 0.3734, 0.4689.



This preview shows how white text looks on a background with the Yxy color 13.9458, 0.3734, 0.4689.

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

13.9458, 0.3734, 0.4689

Protanopia

13.7955, 0.4095, 0.4481

Deuteranopia

13.8126, 0.4301, 0.4222



Tritanopia

13.8515, 0.3051, 0.3120

Trichromacy



Original Color

13.9458, 0.3734, 0.4689

Protanomaly

13.7487, 0.3953, 0.4554

Deuteranomaly

13.7654, 0.4094, 0.4384

Tritanomaly

13.8210, 0.3320, 0.3714

Monochromacy



Original Color

13.9458, 0.3734, 0.4689

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.9323, 0.3380, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9458, 0.3734, 0.4689 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(98, 110, 46) looks like.

```
.text, #text, p{  
  color:rgb(98, 110, 46)  
}
```

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(98, 110, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 110, 46) }
```

Border

The CSS property to change the border of an element to Yxy 13.9458, 0.3734, 0.4689 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(98, 110, 46) }
```

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

```
.border{ border-color:rgb(98, 110, 46) }
```

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

Here you see how a box with a 4 pixel rgb(98, 110, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 110, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 110, 46);  
box-shadow:4px 4px 4px 4px rgb(98, 110,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9458, 0.3734, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 110, 46) }
```

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

```
.background{ background-color: rgb(98, 110,  
46) }
```

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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