

Converting Colors

$Y_{xy}(13.6487, 0.3927, 0.4884)$

Have a look what the booklet for
Yxy(13.6487, 0.3927, 0.4884)
contains.

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Color

Yxy(13.5908, 0.3933, 0.4870)

Conversions

Conversions Part 1

Format	Color
Hex	656C1F
RGB	101, 108, 31
RGB Percent	40%, 42%, 12%
CMY	0.6040, 0.5764, 0.8785
CMYK	0.06, 0.00, 0.71, 0.58
HSL	65°, 55%, 27%
HSV	65°, 71%, 42%
XYZ	10.9759, 13.5908, 3.3405
YIQ	97.1290, 20.5450, -25.4310

Conversions

Conversions Part 2

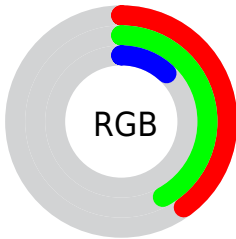
Format	Color
RYB	31, 108, 38
Decimal	6646815
CIELab	43.64, -13.59, 40.22
CIELCh	44, 42.450, 108.666
Yxy	13.5908, 0.3933, 0.4870
Android (android.graphics.Color)	4284836895 (0xFF656C1F)
YUV	97.1290, -32.6016, 3.3949
Hunter-Lab	36.8657, -11.3708, 20.4336

Details

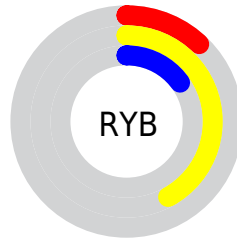
The Yxy color **13.5908, 0.3933, 0.4870** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.4747, 0.1910, 0.1183**, and the grayscale version is **12.0653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2455, 0.3785, 0.4491**, and **4.0676, 0.3968, 0.5232** is the 20% darker color. If you saturate the color by 10%, you get **13.4873, 0.3989, 0.5006**, and if you desaturate by 10%, it is **13.7154, 0.3855, 0.4698**.

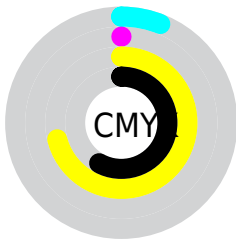
Distribution



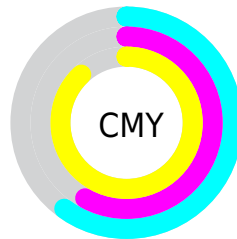
- Red (40%)
- Green (42%)
- Blue (12%)



- Red (12%)
- Yellow (42%)
- Blue (15%)



- Cyan (6%)
- Magenta (0%)
- Yellow (71%)
- Black (58%)





- Cyan (60%)
- Magenta (58%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5908, 0.3933, 0.4870 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 13.5908, 0.3933, 0.4870 by changing the saturation by 10% instead.


 13.5908, 0.3933,
0.4870

 13.5908, 0.3933,
0.4870


214.6701, 0.3501,
0.3927


 7.8366, 0.4018,
0.5147


 32.3612, 0.3781,
0.4490


 3.9906, 0.4234,
0.5712

 46.1462, 0.3721,
0.4358


 1.6683, 0.4042,
0.5958

 63.3769, 0.3669,
0.4251

 0.4030, 0.1131,
0.8869

 84.4377, 0.3625,
0.4163

 0.0000, 0.0000,
0.0000

 109.7130, 0.3588,
0.4089

 139.5873, 0.3555,

0.4027

174.4448, 0.3526,
0.3973

13.5908, 0.3933,
0.4870

13.5908, 0.3933,
0.4870

13.4873, 0.3989,
0.5006

13.7154, 0.3855,
0.4698

13.4009, 0.4022,
0.5103

13.8608, 0.3758,
0.4496

13.3324, 0.4042,
0.5173

14.0293, 0.3646,
0.4272

14.2222, 0.3524,
0.4035

14.4408, 0.3397,
0.3793

■ 14.6864, 0.3269,
0.3552

■ 14.9599, 0.3143,
0.3320

■ 15.2625, 0.3022,
0.3098

■ 15.5952, 0.2907,
0.2891

Harmonies

Analogous

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



13.5908, 0.4597, 0.4394



13.5908, 0.3933, 0.4870



13.5908, 0.3105, 0.4859

Triad

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



13.5908, 0.3933, 0.4870



13.5908, 0.1632, 0.2427



13.5908, 0.3856, 0.2586

Complementary

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



13.5908, 0.3933, 0.4870



2.4747, 0.1910, 0.1183

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.



13.5908, 0.2938, 0.2177



13.5908, 0.3933, 0.4870



13.5908, 0.1764, 0.2049

Square

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



13.5908, 0.3933, 0.4870



13.5908, 0.1811, 0.3174



13.5908, 0.2201, 0.1984



13.5908, 0.4620, 0.3143

Rectangle

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



13.5908, 0.3933, 0.4870



13.5908, 0.2566, 0.4456



13.5908, 0.2201, 0.1984



13.5908, 0.3546, 0.2429

Sweetspot

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



13.5914, 0.3933, 0.4870



25.3390, 0.3401, 0.3799



4.6363, 0.5241, 0.3419



6.1134, 0.3427, 0.3849



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.



13.5914, 0.3933, 0.4870



23.5663, 0.4015, 0.5078



11.8847, 0.3372, 0.5227



3.5702, 0.3239, 0.3497



15.8946, 0.4041, 0.5174



80.7927, 0.4032, 0.5181

Inverse Universe

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



2.4747, 0.1910, 0.1183



2.6738, 0.1664, 0.0802



3.5956, 0.2537, 0.1478



3.0371, 0.3010, 0.3076



1.3604, 0.1547, 0.0626



6.7544, 0.1524, 0.0613

Previews

White Background



This preview shows how the Yxy color 13.5908, 0.3933, 0.4870 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



This preview shows how the Yxy color 13.5908, 0.3933, 0.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

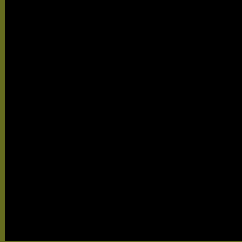
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5908, 0.3933, 0.4870

Background



This preview shows how black text looks on a background with the Yxy color 13.5908, 0.3933, 0.4870.



This preview shows how white text looks on a background with the Yxy color 13.5908, 0.3933, 0.4870.

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

13.5908, 0.3933, 0.4870

Protanopia

13.5072, 0.4240, 0.4661

Deuteranopia

13.5238, 0.4467, 0.4402



Tritanopia

13.5996, 0.3121, 0.3121

Trichromacy



Original Color

13.5908, 0.3933, 0.4870

Protanomaly

13.5764, 0.4134, 0.4740

Deuteranomaly

13.5402, 0.4266, 0.4567

Tritanomaly

13.4980, 0.3454, 0.3802

Monochromacy



Original Color

13.5908, 0.3933, 0.4870

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.3851, 0.3469, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5908, 0.3933, 0.4870 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(101, 108, 31)` looks like.

```
.text, #text, p{  
    color:rgb(101, 108, 31)  
}
```

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(101, 108, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 108, 31) }
```

Border

The CSS property to change the border of an element to Yxy 13.5908, 0.3933, 0.4870 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(101, 108, 31) }
```

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

```
.border{ border-color:rgb(101, 108, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 108, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 108, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 108, 31);  
box-shadow:4px 4px 4px 4px rgb(101, 108,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5908, 0.3933, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 108, 31) }
```

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

```
.background{ background-color: rgb(101,  
108, 31) }
```

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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