

Converting Colors

$Y_{xy}(13.6865, 0.3722, 0.4477)$

Have a look what the booklet for
Yxy(13.6865, 0.3722, 0.4477)
contains.

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Color

Yxy(13.7582, 0.3712, 0.4482)

Conversions

Conversions Part 1

Format	Color
Hex	656C36
RGB	101, 108, 54
RGB Percent	40%, 42%, 21%
CMY	0.6039, 0.5765, 0.7883
CMYK	0.06, 0.00, 0.50, 0.58
HSL	68°, 33%, 32%
HSV	68°, 50%, 42%
XYZ	11.3946, 13.7582, 5.5438
YIQ	99.7510, 13.1620, -18.2780

Conversions

Conversions Part 2

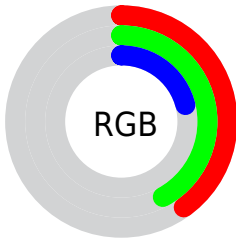
Format	Color
RYB	54, 108, 61
Decimal	6646838
CIELab	43.88, -11.58, 29.12
CIELCh	44, 31.339, 111.685
Yxy	13.7582, 0.3712, 0.4482
Android (android.graphics.Color)	4284836918 (0xFF656C36)
YUV	99.7510, -22.5552, 1.0954
Hunter-Lab	37.0920, -10.0764, 17.1029

Details

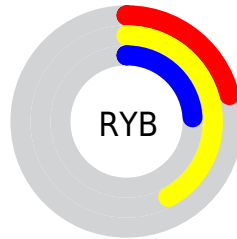
The Yxy color **13.7582, 0.3712, 0.4482** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.7125, 0.2338, 0.1852**, and the grayscale version is **12.7331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5279, 0.3589, 0.4179**, and **4.0851, 0.3878, 0.5064** is the 20% darker color. If you saturate the color by 10%, you get **13.5881, 0.3805, 0.4694**, and if you desaturate by 10%, it is **13.9534, 0.3605, 0.4250**.

Distribution



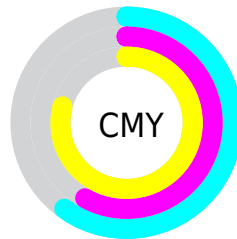
- Red (40%)
- Green (42%)
- Blue (21%)



- Red (21%)
- Yellow (42%)
- Blue (24%)



- Cyan (6%)
- Magenta (0%)
- Yellow (50%)
- Black (58%)




- Cyan (60%)
- Magenta (58%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7582, 0.3712, 0.4482 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 13.7582, 0.3712, 0.4482 by changing the saturation by 10% instead.


 13.7582, 0.3712,
0.4482


 13.7582, 0.3712,
0.4482


215.7213, 0.3383,
0.3758


 7.9527, 0.3797,
0.4717


 32.6594, 0.3586,
0.4181


 4.0647, 0.3897,
0.5054

 46.5238, 0.3541,
0.4080


 1.7098, 0.4174,
0.5826

 63.8434, 0.3503,
0.3999

 0.4300, 0.2266,
0.7734

 85.0024, 0.3471,
0.3933

 0.0000, 0.0000,
0.0000

 110.3853, 0.3444,
0.3878

 140.3765, 0.3421,

0.3832

175.3604, 0.3401,
0.3792

■ 13.7582, 0.3712,
0.4482

■ 13.7582, 0.3712,
0.4482

■ 13.5881, 0.3805,
0.4694

■ 13.9534, 0.3605,
0.4250

■ 13.4399, 0.3879,
0.4878

■ 14.1733, 0.3489,
0.4008

■ 13.3123, 0.3931,
0.5027

■ 14.4198, 0.3369,
0.3763

■ 13.2035, 0.3961,
0.5136

■ 14.6941, 0.3247,
0.3522

■ 13.1051, 0.3977,
0.5224

■ 14.9972, 0.3127,
0.3290

■ 15.3302, 0.3012,
0.3071

■ 15.6941, 0.2903,
0.2866

■ 16.0899, 0.2801,
0.2677

■ 16.5184, 0.2706,
0.2503

Harmonies

Analogous

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



13.7582, 0.4218, 0.4212



13.7582, 0.3712, 0.4482



13.7582, 0.3079, 0.4374

Triad

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



13.7582, 0.3712, 0.4482



13.7582, 0.1968, 0.2619



13.7582, 0.3737, 0.2798

Complementary

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



13.7582, 0.3712, 0.4482



4.7125, 0.2338, 0.1852

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.



13.7582, 0.3064, 0.2454



13.7582, 0.3712, 0.4482



13.7582, 0.2098, 0.2328

Square

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



13.7582, 0.3712, 0.4482



13.7582, 0.2099, 0.3163



13.7582, 0.2476, 0.2284



13.7582, 0.4264, 0.3255

Rectangle

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



13.7582, 0.3712, 0.4482



13.7582, 0.2671, 0.4058



13.7582, 0.2476, 0.2284



13.7582, 0.3516, 0.2667

Sweetspot

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



13.7588, 0.3712, 0.4482



25.5287, 0.3312, 0.3651



6.7172, 0.4341, 0.3438



6.1608, 0.3332, 0.3690



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.



13.7588, 0.3712, 0.4482



23.8086, 0.3818, 0.4726



12.4761, 0.3322, 0.4653



3.5646, 0.3234, 0.3497



15.6217, 0.3975, 0.5226



79.3335, 0.3962, 0.5236

Inverse Universe

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



4.7125, 0.2338, 0.1852



5.9330, 0.2120, 0.1482



5.7610, 0.2789, 0.2013



3.0423, 0.3015, 0.3076



1.3949, 0.1571, 0.0639



6.8839, 0.1541, 0.0623

Previews

White Background



This preview shows how the Yxy color 13.7582, 0.3712, 0.4482 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 13.7582, 0.3712, 0.4482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

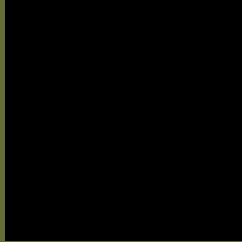
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7582, 0.3712, 0.4482

Background



This preview shows how black text looks on a background with the Yxy color 13.7582, 0.3712, 0.4482.



This preview shows how white text looks on a background with the Yxy color 13.7582, 0.3712, 0.4482.

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

13.7582, 0.3712, 0.4482

Protanopia

13.7351, 0.3963, 0.4343

Deuteranopia

13.7212, 0.4182, 0.4120



Tritanopia

13.7543, 0.3093, 0.3121

Trichromacy



Original Color

13.7582, 0.3712, 0.4482

Protanomaly

13.6114, 0.3874, 0.4394

Deuteranomaly

13.6301, 0.4022, 0.4245

Tritanomaly

13.6421, 0.3330, 0.3599

Monochromacy



Original Color

13.7582, 0.3712, 0.4482

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.0344, 0.3354, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7582, 0.3712, 0.4482 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(101, 108, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 108, 54) }
```

Border

The CSS property to change the border of an element to Yxy 13.7582, 0.3712, 0.4482 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, 54) }
```

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

```
.border{ border-color:rgb(101, 108, 54) }
```

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, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 108, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 108, 54);  
box-shadow:4px 4px 4px 4px rgb(101, 108,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7582, 0.3712, 0.4482 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, 54) }
```

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

```
.background{ background-color: rgb(101,  
108, 54) }
```

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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