

Converting Colors

$Y_{xy}(14.7961, 0.3428, 0.4168)$

Have a look what the booklet for
Yxy(14.7961, 0.3428, 0.4168)
contains.

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Color

Yxy(14.7220, 0.3433, 0.4162)

Conversions

Conversions Part 1

Format	Color
Hex	637049
RGB	99, 112, 73
RGB Percent	39%, 44%, 29%
CMY	0.6117, 0.5608, 0.7137
CMYK	0.12, 0.00, 0.35, 0.56
HSL	80°, 21%, 36%
HSV	80°, 35%, 44%
XYZ	12.1434, 14.7220, 8.5071
YIQ	103.6670, 4.7710, -14.8850

Conversions

Conversions Part 2

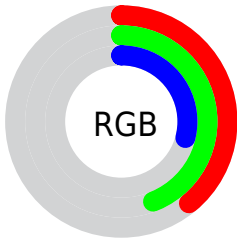
Format	Color
RYB	73, 112, 86
Decimal	6516809
CIELab	45.25, -12.19, 20.10
CIElCh	45, 23.509, 121.220
Yxy	14.7220, 0.3433, 0.4162
Android (android.graphics.Color)	4284706889 (0xFF637049)
YUV	103.6670, -15.1188, -4.0930
Hunter-Lab	38.3693, -10.6534, 13.7130

Details

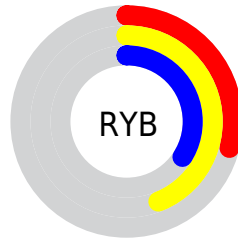
The Yxy color **14.7220, 0.3433, 0.4162** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9154, 0.2735, 0.2367**, and the grayscale version is **13.7908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4401, 0.3363, 0.3944**, and **4.4807, 0.3558, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **14.3818, 0.3510, 0.4426**, and if you desaturate by 10%, it is **15.1000, 0.3348, 0.3899**.

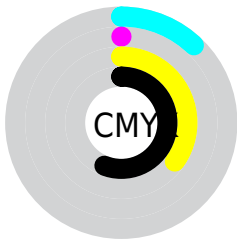
Distribution



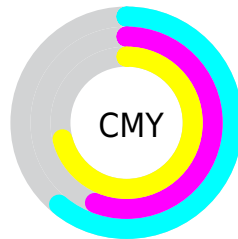
- Red (39%)
- Green (44%)
- Blue (29%)



- Red (29%)
- Yellow (44%)
- Blue (34%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (56%)




- Cyan (61%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7220, 0.3433, 0.4162 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 14.7220, 0.3433, 0.4162 by changing the saturation by 10% instead.

 14.7220, 0.3433,
0.4162


 14.7220, 0.3433,
0.4162


221.6773, 0.3261,
0.3631


 8.6245, 0.3480,
0.4341


 34.3647, 0.3366,
0.3939


 4.4971, 0.3540,
0.4608

 48.6788, 0.3343,
0.3865


 1.9553, 0.3693,
0.5164

 66.5005, 0.3323,
0.3806

 0.5813, 0.3050,
0.6950

 88.2142, 0.3307,
0.3758

 0.0000, 0.0000,
0.0000

 114.2043, 0.3293,
0.3718

144.8553, 0.3281,

0.3685

180.5515, 0.3270,
0.3656

■ 14.7220, 0.3433,
0.4162

■ 14.7220, 0.3433,
0.4162

■ 14.3818, 0.3510,
0.4426

■ 15.1000, 0.3348,
0.3899

■ 14.0758, 0.3576,
0.4682

■ 15.5153, 0.3259,
0.3644

■ 13.8031, 0.3626,
0.4919

■ 15.9699, 0.3170,
0.3401


■ 13.5617, 0.3656,
0.5127


■ 16.4651, 0.3082,
0.3175


■ 13.3495, 0.3663,
0.5297

■ 17.0021, 0.2997,
0.2965

 13.1629, 0.3650,
0.5426

 17.5820, 0.2917,
0.2774

 13.0712, 0.3642,
0.5490

 18.2061, 0.2841,
0.2600

 18.8754, 0.2770,
0.2443

 19.5909, 0.2705,
0.2301

Harmonies

Analogous

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



14.7220, 0.3847, 0.4070



14.7220, 0.3433, 0.4162



14.7220, 0.2956, 0.3969

Triad

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



14.7220, 0.3433, 0.4162



14.7220, 0.2257, 0.2709



14.7220, 0.3719, 0.3029

Complementary

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



14.7220, 0.3433, 0.4162



7.9154, 0.2735, 0.2367

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.



14.7220, 0.3246, 0.2726



14.7220, 0.3433, 0.4162



14.7220, 0.2423, 0.2535

Square

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



14.7220, 0.3433, 0.4162



14.7220, 0.2299, 0.3067



14.7220, 0.2773, 0.2548



14.7220, 0.4031, 0.3403

Rectangle

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



14.7220, 0.3433, 0.4162



14.7220, 0.2668, 0.3700



14.7220, 0.2773, 0.2548



14.7220, 0.3571, 0.2917

Sweetspot

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



14.7226, 0.3433, 0.4162



27.6112, 0.3218, 0.3532



10.4796, 0.3799, 0.3567



6.6127, 0.3228, 0.3558



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



14.7226, 0.3433, 0.4162



25.3633, 0.3498, 0.4381



13.7820, 0.3173, 0.4238



3.8633, 0.3207, 0.3501



15.0986, 0.3638, 0.5493



74.7273, 0.3608, 0.5517

Inverse Universe

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



7.9154, 0.2735, 0.2367



11.4248, 0.2617, 0.2118



8.9310, 0.3044, 0.2446



3.3495, 0.3042, 0.3076



1.8023, 0.1780, 0.0754



8.5499, 0.1729, 0.0726

Previews

White Background



This preview shows how the Yxy color 14.7220, 0.3433, 0.4162 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 14.7220, 0.3433, 0.4162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

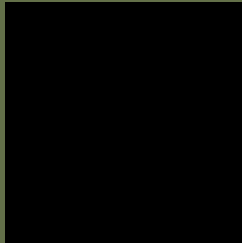
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7220, 0.3433, 0.4162

Background



This preview shows how black text looks on a background with the Yxy color 14.7220, 0.3433, 0.4162.



This preview shows how white text looks on a background with the Yxy color 14.7220, 0.3433, 0.4162.

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

14.7220, 0.3433, 0.4162

Protanopia

14.6833, 0.3740, 0.4038

Deuteranopia

14.5228, 0.3890, 0.3824



Tritanopia

14.7565, 0.3000, 0.3123

Trichromacy



Original Color

14.7220, 0.3433, 0.4162

Protanomaly

14.7202, 0.3623, 0.4081

Deuteranomaly

14.5844, 0.3722, 0.3954

Tritanomaly

14.7409, 0.3159, 0.3485

Monochromacy



Original Color

14.7220, 0.3433, 0.4162

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.1305, 0.3238, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7220, 0.3433, 0.4162 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(99, 112, 73) looks like.

```
.text, #text, p{  
    color:rgb(99, 112, 73)  
}
```

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(99, 112, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 112, 73) }
```

Border

The CSS property to change the border of an element to Yxy 14.7220, 0.3433, 0.4162 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(99, 112, 73) }
```

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

```
.border{ border-color:rgb(99, 112, 73) }
```

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

Here you see how a box with a 4 pixel rgb(99, 112, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 112, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 112, 73);  
box-shadow:4px 4px 4px 4px rgb(99, 112,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7220, 0.3433, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 112, 73) }
```

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

```
.background{ background-color: rgb(99, 112,  
73) }
```

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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