

Converting Colors

$Y_{xy}(15.5308, 0.3643, 0.4543)$

Have a look what the booklet for
Yxy(15.5308, 0.3643, 0.4543)
contains.

Yxy(15.6110, 0.3633, 0.4551)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.6110, 0.3633, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	667439
RGB	102, 116, 57
RGB Percent	40%, 45%, 22%
CMY	0.6001, 0.5451, 0.7764
CMYK	0.12, 0.00, 0.51, 0.55
HSL	74°, 34%, 34%
HSV	74°, 51%, 45%
XYZ	12.4620, 15.6110, 6.2293
YIQ	105.0880, 10.5950, -21.3170

Conversions

Conversions Part 2

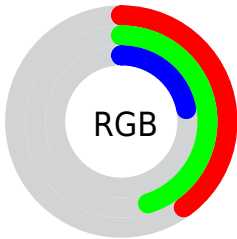
Format	Color
RYB	57, 116, 71
Decimal	6714425
CIELab	46.46, -15.21, 30.62
CIELCh	46, 34.195, 116.415
Yxy	15.6110, 0.3633, 0.4551
Android (android.graphics.Color)	4284904505 (0xFF667439)
YUV	105.0880, -23.7074, -2.7082
Hunter-Lab	39.5108, -12.8433, 18.3098

Details

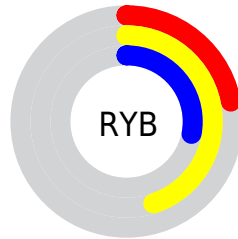
The Yxy color **15.6110, 0.3633, 0.4551** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.5303, 0.2409, 0.1846**, and the grayscale version is **14.2149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9159, 0.3528, 0.4234**, and **4.9130, 0.3760, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **15.3503, 0.3705, 0.4781**, and if you desaturate by 10%, it is **15.9049, 0.3546, 0.4304**.

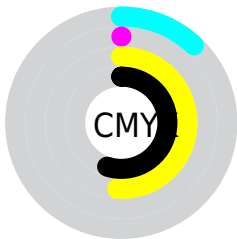
Distribution



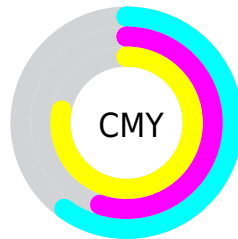
- Red (40%)
- Green (45%)
- Blue (22%)



- Red (22%)
- Yellow (45%)
- Blue (28%)



- Cyan (12%)
- Magenta (0%)
- Yellow (51%)
- Black (55%)





- Cyan (60%)
- Magenta (55%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6110, 0.3633, 0.4551 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 15.6110, 0.3633, 0.4551 by changing the saturation by 10% instead.


 15.6110, 0.3633,
0.4551


 15.6110, 0.3633,
0.4551


 227.0352, 0.3360,
0.3792


 9.2493, 0.3697,
0.4793


 35.9216, 0.3533,
0.4238


 4.9042, 0.3763,
0.5136

 50.6392, 0.3495,
0.4132

 2.1911, 0.4022,
0.5978

 68.9110, 0.3463,
0.4048

 0.7152, 0.3013,
0.6987

 91.1212, 0.3436,
0.3978

 0.0000, 0.0000,
0.0000

 117.6544, 0.3413,
0.3920

 148.8949, 0.3393,

0.3871

185.2270, 0.3375,
0.3829

■ 15.6110, 0.3633,
0.4551

■ 15.6110, 0.3633,
0.4551

■ 15.3503, 0.3705,
0.4781

■ 15.9049, 0.3546,
0.4304

■ 15.1189, 0.3759,
0.4983

■ 16.2316, 0.3448,
0.4048

■ 14.9153, 0.3790,
0.5150

■ 16.5935, 0.3345,
0.3794

■ 14.7372, 0.3799,
0.5274

■ 16.9919, 0.3240,
0.3546

■ 14.5879, 0.3795,
0.5369

■ 17.4282, 0.3136,
0.3309

■ 17.9038, 0.3035,
0.3088

■ 18.4199, 0.2939,
0.2883

■ 18.9775, 0.2848,
0.2695

■ 19.5779, 0.2764,
0.2524

Harmonies

Analogous

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



15.6110, 0.4195, 0.4310



15.6110, 0.3633, 0.4551



15.6110, 0.2968, 0.4368

Triad

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



15.6110, 0.3633, 0.4551



15.6110, 0.1926, 0.2522



15.6110, 0.3869, 0.2845

Complementary

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



15.6110, 0.3633, 0.4551



5.5303, 0.2409, 0.1846

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.



15.6110, 0.3170, 0.2466



15.6110, 0.3633, 0.4551



15.6110, 0.2102, 0.2265

Square

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



15.6110, 0.3633, 0.4551



15.6110, 0.2017, 0.3049



15.6110, 0.2531, 0.2258



15.6110, 0.4373, 0.3330

Rectangle

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



15.6110, 0.3633, 0.4551



15.6110, 0.2557, 0.3995



15.6110, 0.2531, 0.2258



15.6110, 0.3644, 0.2704

Sweetspot

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



15.6117, 0.3633, 0.4551



29.5394, 0.3288, 0.3657



8.4878, 0.4306, 0.3590



7.0192, 0.3305, 0.3698



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.6117, 0.3633, 0.4551



26.9069, 0.3716, 0.4817



14.1947, 0.3237, 0.4730



4.2245, 0.3221, 0.3502



16.3600, 0.3793, 0.5371



79.3176, 0.3771, 0.5388

Inverse Universe

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



5.5303, 0.2409, 0.1846



7.0385, 0.2206, 0.1487



6.9142, 0.2899, 0.2024



3.6280, 0.3028, 0.3073



1.6778, 0.1660, 0.0688



7.8387, 0.1619, 0.0666

Previews

White Background



This preview shows how the Yxy color 15.6110, 0.3633, 0.4551 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 15.6110, 0.3633, 0.4551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

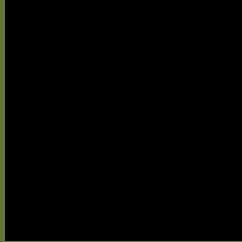
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6110, 0.3633, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 15.6110, 0.3633, 0.4551.



This preview shows how white text looks on a background with the Yxy color 15.6110, 0.3633, 0.4551.

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

15.6110, 0.3633, 0.4551

Protanopia

15.5653, 0.4001, 0.4357

Deuteranopia

15.4977, 0.4171, 0.4118



Tritanopia

15.4965, 0.3016, 0.3107

Trichromacy



Original Color

15.6110, 0.3633, 0.4551

Protanomaly

15.5187, 0.3866, 0.4419

Deuteranomaly

15.3906, 0.3964, 0.4272

Tritanomaly

15.4970, 0.3245, 0.3631

Monochromacy



Original Color

15.6110, 0.3633, 0.4551

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5849, 0.3327, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6110, 0.3633, 0.4551 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(102, 116, 57)` looks like.

```
.text, #text, p{  
    color:rgb(102, 116, 57)  
}
```

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(102, 116, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 116, 57) }
```

Border

The CSS property to change the border of an element to Yxy 15.6110, 0.3633, 0.4551 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(102, 116, 57) }
```

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

```
.border{ border-color:rgb(102, 116, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 116, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 116, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 116, 57);  
box-shadow:4px 4px 4px 4px rgb(102, 116,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6110, 0.3633, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 116, 57) }
```

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

```
.background{ background-color: rgb(102,  
116, 57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor