

Converting Colors

$Yxy(15.0147, 0.3474, 0.4433)$

Have a look what the booklet for
Yxy(15.0147, 0.3474, 0.4433)
contains.

Yxy(15.0645, 0.3466, 0.4434)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.0645, 0.3466, 0.4434)

Conversions

Conversions Part 1

Format	Color
Hex	5F7340
RGB	95, 115, 64
RGB Percent	37%, 45%, 25%
CMY	0.6274, 0.5490, 0.7491
CMYK	0.17, 0.00, 0.44, 0.55
HSL	84°, 29%, 35%
HSV	84°, 44%, 45%
XYZ	11.7757, 15.0645, 7.1347
YIQ	103.2060, 4.4510, -20.1010

Conversions

Conversions Part 2

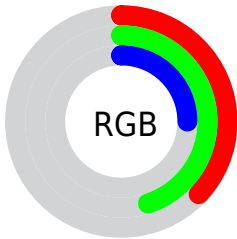
Format	Color
RYB	64, 115, 84
Decimal	6255424
CIELab	45.72, -16.78, 25.79
CIELCh	46, 30.768, 123.060
Yxy	15.0645, 0.3466, 0.4434
Android (android.graphics.Color)	4284445504 (0xFF5F7340)
YUV	103.2060, -19.3286, -7.1967
Hunter-Lab	38.8130, -13.7665, 16.2702

Details

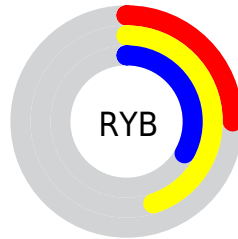
The Yxy color **15.0645, 0.3466, 0.4434** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.7863, 0.2645, 0.2092**, and the grayscale version is **13.6726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9407, 0.3393, 0.4137**, and **4.6657, 0.3543, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **14.7131, 0.3522, 0.4700**, and if you desaturate by 10%, it is **15.4582, 0.3398, 0.4162**.

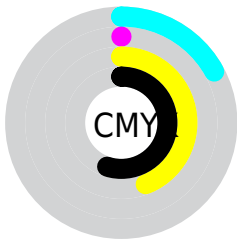
Distribution



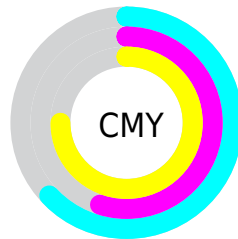
- Red (37%)
- Green (45%)
- Blue (25%)



- Red (25%)
- Yellow (45%)
- Blue (33%)



- Cyan (17%)
- Magenta (0%)
- Yellow (44%)
- Black (55%)



- Cyan (63%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0645, 0.3466, 0.4434 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 15.0645, 0.3466, 0.4434 by changing the saturation by 10% instead.

15.0645, 0.3466,
0.4434

15.0645, 0.3466,
0.4434

223.7563, 0.3284,
0.3736

8.8647, 0.3508,
0.4667

34.9663, 0.3400,
0.4141

4.6530, 0.3549,
0.5010

49.4370, 0.3375,
0.4044

2.0451, 0.3804,
0.5928

67.4335, 0.3353,
0.3966

0.6335, 0.2329,
0.7671

89.3402, 0.3335,
0.3903

0.0000, 0.0000,
0.0000

115.5414, 0.3320,
0.3851

146.4216, 0.3306,

0.3806

182.3651, 0.3295,
0.3769

■ 15.0645, 0.3466,
0.4434

■ 15.0645, 0.3466,
0.4434

■ 14.7131, 0.3522,
0.4700

■ 15.4582, 0.3398,
0.4162

■ 14.4000, 0.3563,
0.4949

■ 15.8940, 0.3322,
0.3893

■ 14.1240, 0.3585,
0.5169


■ 16.3742, 0.3243,
0.3635

■ 13.8825, 0.3585,
0.5351

■ 16.9003, 0.3162,
0.3391

■ 13.6721, 0.3564,
0.5490

■ 17.4737, 0.3083,
0.3165

 13.5616, 0.3550,
0.5564

 18.0959, 0.3006,
0.2957

 18.7681, 0.2933,
0.2768

 19.4917, 0.2864,
0.2597

 20.2678, 0.2800,
0.2442

Harmonies

Analogous

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



15.0645, 0.4013, 0.4301



15.0645, 0.3466, 0.4434



15.0645, 0.2857, 0.4166

Triad

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



15.0645, 0.3466, 0.4434



15.0645, 0.2035, 0.2516



15.0645, 0.3928, 0.2978

Complementary

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



15.0645, 0.3466, 0.4434



6.7863, 0.2645, 0.2092

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.



15.0645, 0.3313, 0.2597



15.0645, 0.3466, 0.4434



15.0645, 0.2252, 0.2326

Square

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



15.0645, 0.3466, 0.4434



15.0645, 0.2065, 0.2950



15.0645, 0.2700, 0.2364



15.0645, 0.4318, 0.3442

Rectangle

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



15.0645, 0.3466, 0.4434



15.0645, 0.2499, 0.3791



15.0645, 0.2700, 0.2364



15.0645, 0.3737, 0.2838

Sweetspot

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



15.0652, 0.3466, 0.4434



29.4129, 0.3234, 0.3609



10.2843, 0.4024, 0.3718



6.9775, 0.3249, 0.3655



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.



15.0652, 0.3466, 0.4434



26.3442, 0.3523, 0.4701



13.9314, 0.3136, 0.4562



4.1981, 0.3200, 0.3503



15.4907, 0.3546, 0.5567



74.9821, 0.3513, 0.5593

Inverse Universe

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



6.7863, 0.2645, 0.2092



9.5087, 0.2503, 0.1796



8.1570, 0.3071, 0.2229



3.6534, 0.3050, 0.3075



2.0426, 0.1866, 0.0802



9.4884, 0.1814, 0.0773

Previews

White Background



This preview shows how the Yxy color 15.0645, 0.3466, 0.4434 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 15.0645, 0.3466, 0.4434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

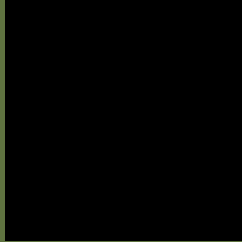
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0645, 0.3466, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 15.0645, 0.3466, 0.4434.



This preview shows how white text looks on a background with the Yxy color 15.0645, 0.3466, 0.4434.

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

15.0645, 0.3466, 0.4434

Protanopia

14.9840, 0.3905, 0.4236

Deuteranopia

14.9310, 0.4055, 0.3977



Tritanopia

15.0464, 0.2938, 0.3122

Trichromacy



Original Color

15.0645, 0.3466, 0.4434

Protanomaly

15.0317, 0.3732, 0.4321

Deuteranomaly

14.7603, 0.3835, 0.4128

Tritanomaly

14.9034, 0.3127, 0.3575

Monochromacy



Original Color

15.0645, 0.3466, 0.4434

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.9460, 0.3262, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0645, 0.3466, 0.4434 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(95, 115, 64)` looks like.

```
.text, #text, p{  
    color:rgb(95, 115, 64)  
}
```

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(95, 115, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 115, 64) }
```

Border

The CSS property to change the border of an element to Yxy 15.0645, 0.3466, 0.4434 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(95, 115, 64) }
```

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

```
.border{ border-color:rgb(95, 115, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 115, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 115, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 115, 64);  
box-shadow:4px 4px 4px 4px rgb(95, 115,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0645, 0.3466, 0.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 115, 64) }
```

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

```
.background{ background-color: rgb(95, 115,  
64) }
```

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