

Converting Colors

$Y_{xy}(16.1704, 0.3442, 0.4530)$

Have a look what the booklet for
Yxy(16.1704, 0.3442, 0.4530)
contains.

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Color

Yxy(16.2247, 0.3451, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	5F783F
RGB	95, 120, 63
RGB Percent	37%, 47%, 25%
CMY	0.6273, 0.5294, 0.7529
CMYK	0.21, 0.00, 0.47, 0.53
HSL	86°, 31%, 36%
HSV	86°, 47%, 47%
XYZ	12.3356, 16.2247, 7.1848
YIQ	106.0270, 3.3970, -23.0270

Conversions

Conversions Part 2

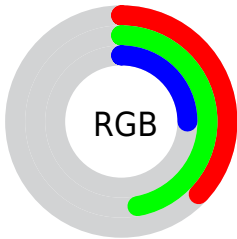
Format	Color
RYB	63, 120, 88
Decimal	6256703
CIELab	47.27, -19.56, 28.26
CIElCh	47, 34.370, 124.681
Yxy	16.2247, 0.3451, 0.4539
Android (android.graphics.Color)	4284446783 (0xFF5F783F)
YUV	106.0270, -21.2123, -9.6707
Hunter-Lab	40.2799, -15.8246, 17.6203

Details

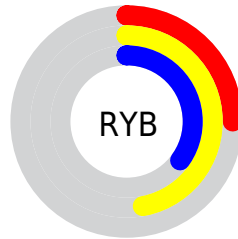
The Yxy color **16.2247, 0.3451, 0.4539** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9847, 0.2640, 0.2007**, and the grayscale version is **14.4815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8779, 0.3397, 0.4216**, and **5.1513, 0.3521, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **15.8334, 0.3495, 0.4809**, and if you desaturate by 10%, it is **16.6657, 0.3394, 0.4261**.

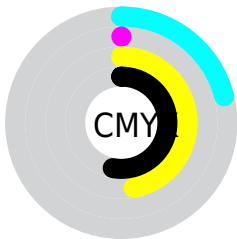
Distribution



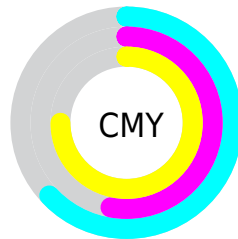
- Red (37%)
- Green (47%)
- Blue (25%)



- Red (25%)
- Yellow (47%)
- Blue (35%)



- Cyan (21%)
- Magenta (0%)
- Yellow (47%)
- Black (53%)



- Cyan (63%)
- Magenta (53%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2247, 0.3451, 0.4539 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 16.2247, 0.3451, 0.4539 by changing the saturation by 10% instead.


 16.2247, 0.3451,
0.4539


 16.2247, 0.3451,
0.4539


230.6640, 0.3285,
0.3782


 9.6833, 0.3484,
0.4787


 36.9879, 0.3394,
0.4224


 5.1895, 0.3509,
0.5148

 51.9784, 0.3371,
0.4118


 2.3589, 0.3695,
0.6035

 70.5541, 0.3351,
0.4034

 0.8046, 0.2631,
0.7369

 93.0994, 0.3334,
0.3965

 0.0000, 0.0000,
0.0000

 119.9986, 0.3319,
0.3908

 151.6362, 0.3306,

0.3859

188.3965, 0.3295,
0.3818

■ 16.2247, 0.3451,
0.4539

■ 16.2247, 0.3451,
0.4539

■ 15.8334, 0.3495,
0.4809

■ 16.6657, 0.3394,
0.4261

■ 15.4873, 0.3523,
0.5059

■ 17.1564, 0.3327,
0.3985

■ 15.1846, 0.3531,
0.5277

■ 17.6993, 0.3256,
0.3718

■ 14.9225, 0.3517,
0.5451

■ 18.2965, 0.3182,
0.3467

■ 14.6946, 0.3486,
0.5587

■ 18.9495, 0.3109,
0.3233

■ 14.6406, 0.3478,
0.5620

■ 19.6601, 0.3037,
0.3019

■ 20.4299, 0.2969,
0.2825

■ 21.2602, 0.2904,
0.2650

■ 22.1527, 0.2843,
0.2492

Harmonies

Analogous

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



16.2247, 0.4054, 0.4400



16.2247, 0.3451, 0.4539



16.2247, 0.2794, 0.4226

Triad

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



16.2247, 0.3451, 0.4539



16.2247, 0.1956, 0.2431



16.2247, 0.4031, 0.2974

Complementary

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



16.2247, 0.3451, 0.4539



6.9847, 0.2640, 0.2007

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.



16.2247, 0.3365, 0.2561



16.2247, 0.3451, 0.4539



16.2247, 0.2202, 0.2247

Square

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



16.2247, 0.3451, 0.4539



16.2247, 0.1973, 0.2882



16.2247, 0.2694, 0.2302



16.2247, 0.4437, 0.3473

Rectangle

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



16.2247, 0.3451, 0.4539



16.2247, 0.2415, 0.3800



16.2247, 0.2694, 0.2302



16.2247, 0.3826, 0.2823

Sweetspot

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



16.2254, 0.3451, 0.4539



31.4531, 0.3233, 0.3637



11.2822, 0.4086, 0.3807



7.4108, 0.3246, 0.3683



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.2254, 0.3451, 0.4539



27.7922, 0.3499, 0.4833



14.9771, 0.3102, 0.4686



4.5507, 0.3194, 0.3506



15.9649, 0.3476, 0.5622



75.6435, 0.3442, 0.5649

Inverse Universe

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



6.9847, 0.2640, 0.2007



9.4331, 0.2493, 0.1695



8.6380, 0.3113, 0.2169



3.9714, 0.3056, 0.3073



2.2840, 0.1941, 0.0843



10.4089, 0.1890, 0.0815

Previews

White Background



This preview shows how the Yxy color 16.2247, 0.3451, 0.4539 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 16.2247, 0.3451, 0.4539 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 16.2247, 0.3451, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 16.2247, 0.3451, 0.4539.



This preview shows how white text looks on a background with the Yxy color 16.2247, 0.3451, 0.4539.

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

16.2247, 0.3451, 0.4539

Protanopia

16.1255, 0.3940, 0.4299

Deuteranopia

16.1430, 0.4104, 0.4041



Tritanopia

16.0990, 0.2896, 0.3106

Trichromacy



Original Color

16.2247, 0.3451, 0.4539

Protanomaly

16.1091, 0.3757, 0.4391

Deuteranomaly

16.0349, 0.3852, 0.4220

Tritanomaly

16.1397, 0.3099, 0.3612

Monochromacy



Original Color

16.2247, 0.3451, 0.4539

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9318, 0.3268, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2247, 0.3451, 0.4539 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, 120, 63)` looks like.

```
.text, #text, p{  
    color:rgb(95, 120, 63)  
}
```

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, 120, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 120, 63) }
```

Border

The CSS property to change the border of an element to Yxy 16.2247, 0.3451, 0.4539 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, 120, 63) }
```

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

```
.border{ border-color:rgb(95, 120, 63) }
```

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

Here you see how a box with a 4 pixel rgb(95, 120, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 120, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 120, 63);  
box-shadow:4px 4px 4px 4px rgb(95, 120,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2247, 0.3451, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 120, 63) }
```

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

```
.background{ background-color: rgb(95, 120,  
63) }
```

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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