

Converting Colors

$Y_{xy}(16.2684, 0.3534, 0.4653)$

Have a look what the booklet for
Yxy(16.2684, 0.3534, 0.4653)
contains.

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Color

Yxy(16.2697, 0.3537, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	617839
RGB	97, 120, 57
RGB Percent	38%, 47%, 22%
CMY	0.6197, 0.5294, 0.7765
CMYK	0.19, 0.00, 0.53, 0.53
HSL	82°, 36%, 35%
HSV	82°, 53%, 47%
XYZ	12.3835, 16.2697, 6.3580
YIQ	105.9410, 6.5150, -24.4690

Conversions

Conversions Part 2

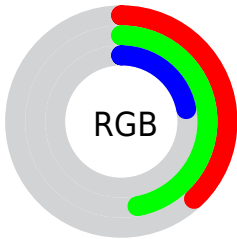
Format	Color
RYB	57, 120, 80
Decimal	6387769
CIELab	47.33, -19.48, 31.59
CIELCh	47, 37.115, 121.662
Yxy	16.2697, 0.3537, 0.4647
Android (android.graphics.Color)	4284577849 (0xFF617839)
YUV	105.9410, -24.1279, -7.8413
Hunter-Lab	40.3357, -15.7863, 18.8892

Details

The Yxy color **16.2697, 0.3537, 0.4647** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.9885, 0.2500, 0.1834**, and the grayscale version is **14.4616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9352, 0.3464, 0.4301**, and **5.1546, 0.3614, 0.5290** is the 20% darker color. If you saturate the color by 10%, you get **15.9303, 0.3585, 0.4896**, and if you desaturate by 10%, it is **16.6522, 0.3474, 0.4382**.

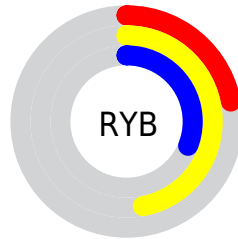
Distribution



Red (38%)

Green (47%)

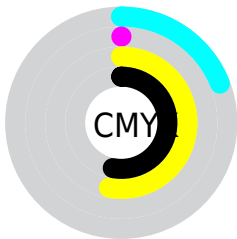
Blue (22%)



Red (22%)

Yellow (47%)

Blue (31%)

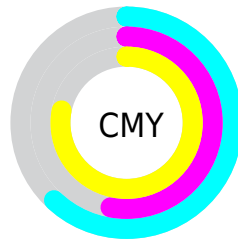


Cyan (19%)

Magenta (0%)

Yellow (53%)

Black (53%)



Cyan (62%)

Magenta (53%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2697, 0.3537, 0.4647 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 16.2697, 0.3537, 0.4647 by changing the saturation by 10% instead.

16.2697, 0.3537,
0.4647

16.2697, 0.3537,
0.4647

230.9279, 0.3326,
0.3828

9.7152, 0.3578,
0.4910

37.0658, 0.3464,
0.4309

5.2105, 0.3609,
0.5285

52.0762, 0.3435,
0.4194

2.3713, 0.3804,
0.6196

70.6740, 0.3410,
0.4103

0.8111, 0.2669,
0.7331

93.2436, 0.3388,
0.4028

0.0000, 0.0000,
0.0000

120.1694, 0.3370,
0.3965

151.8358, 0.3353,

0.3913

188.6272, 0.3339,
0.3867

■ 16.2697, 0.3537,
0.4647

■ 16.2697, 0.3537,
0.4647

■ 15.9303, 0.3585,
0.4896

■ 16.6522, 0.3474,
0.4382

■ 15.6295, 0.3614,
0.5118

■ 17.0777, 0.3399,
0.4112

■ 15.3656, 0.3621,
0.5302

■ 17.5487, 0.3318,
0.3845

■ 15.1357, 0.3605,
0.5442

■ 18.0670, 0.3233,
0.3589

■ 14.9775, 0.3588,
0.5533

■ 18.6343, 0.3148,
0.3348

■ 19.2521, 0.3065,
0.3124

■ 19.9219, 0.2985,
0.2918

■ 20.6450, 0.2909,
0.2731

■ 21.4230, 0.2838,
0.2561

Harmonies

Analogous

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



16.2697, 0.4170, 0.4439



16.2697, 0.3537, 0.4647



16.2697, 0.2831, 0.4366

Triad

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



16.2697, 0.3537, 0.4647



16.2697, 0.1868, 0.2401



16.2697, 0.4038, 0.2899

Complementary

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



16.2697, 0.3537, 0.4647



5.9885, 0.2500, 0.1834

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.



16.2697, 0.3303, 0.2475



16.2697, 0.3537, 0.4647



16.2697, 0.2100, 0.2183

Square

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



16.2697, 0.3537, 0.4647



16.2697, 0.1911, 0.2908



16.2697, 0.2596, 0.2221



16.2697, 0.4515, 0.3420

Rectangle

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



16.2697, 0.3537, 0.4647



16.2697, 0.2415, 0.3919



16.2697, 0.2596, 0.2221



16.2697, 0.3807, 0.2743

Sweetspot

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



16.2704, 0.3537, 0.4647



31.4087, 0.3266, 0.3687



9.8882, 0.4281, 0.3752



7.4082, 0.3280, 0.3729



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.



16.2704, 0.3537, 0.4647



27.9020, 0.3593, 0.4944



14.9038, 0.3153, 0.4828



4.5642, 0.3204, 0.3505



16.3296, 0.3585, 0.5535



77.3993, 0.3555, 0.5559

Inverse Universe

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



5.9885, 0.2500, 0.1834



7.7123, 0.2316, 0.1488



7.6329, 0.3017, 0.2028



3.9582, 0.3045, 0.3073



2.0522, 0.1823, 0.0778



9.3444, 0.1773, 0.0750

Previews

White Background



This preview shows how the Yxy color 16.2697, 0.3537, 0.4647 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 16.2697, 0.3537, 0.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

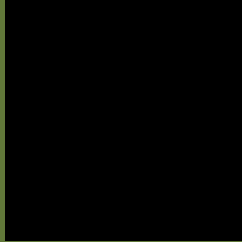
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2697, 0.3537, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 16.2697, 0.3537, 0.4647.



This preview shows how white text looks on a background with the Yxy color 16.2697, 0.3537, 0.4647.

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

16.2697, 0.3537, 0.4647

Protanopia

16.1398, 0.4021, 0.4393

Deuteranopia

16.1600, 0.4194, 0.4135



Tritanopia

16.2187, 0.2920, 0.3107

Trichromacy



Original Color

16.2697, 0.3537, 0.4647

Protanomaly

16.1147, 0.3836, 0.4492

Deuteranomaly

16.0417, 0.3936, 0.4322

Tritanomaly

16.1974, 0.3160, 0.3675

Monochromacy



Original Color

16.2697, 0.3537, 0.4647

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9570, 0.3307, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2697, 0.3537, 0.4647 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(97, 120, 57)` looks like.

```
.text, #text, p{  
    color:rgb(97, 120, 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(97, 120, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 120, 57) }
```

Border

The CSS property to change the border of an element to Yxy 16.2697, 0.3537, 0.4647 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(97, 120, 57) }
```

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

```
.border{ border-color:rgb(97, 120, 57) }
```

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

Here you see how a box with a 4 pixel rgb(97, 120, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 120, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 120, 57);  
box-shadow:4px 4px 4px 4px rgb(97, 120,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2697, 0.3537, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 120, 57) }
```

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

```
.background{ background-color: rgb(97, 120,  
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](#).

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