

Converting Colors

$Y_{xy}(16.1898, 0.3362, 0.4423)$

Have a look what the booklet for
Yxy(16.1898, 0.3362, 0.4423)
contains.

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Color

Yxy(16.1898, 0.3362, 0.4423)

Conversions

Conversions Part 1

Format	Color
Hex	5D7845
RGB	93, 120, 69
RGB Percent	36%, 47%, 27%
CMY	0.6352, 0.5294, 0.7294
CMYK	0.22, 0.00, 0.42, 0.53
HSL	92°, 27%, 37%
HSV	92°, 42%, 47%
XYZ	12.3062, 16.1898, 8.1077
YIQ	106.1130, 0.2790, -21.5850

Conversions

Conversions Part 2

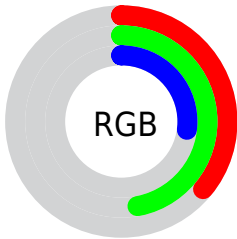
Format	Color
R_{YB}	69, 120, 96
Decimal	6125637
CIE _{Lab}	47.22, -19.56, 24.86
CIE _{LCh}	47, 31.637, 128.197
Yxy	16.1898, 0.3362, 0.4423
Android (android.graphics.Color)	4284315717 (0xFF5D7845)
YUV	106.1130, -18.2967, -11.5001
Hunter-Lab	40.2366, -15.8206, 16.2186

Details

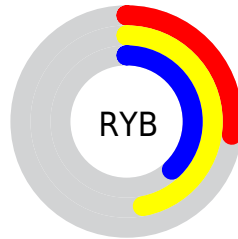
The Yxy color **16.1898, 0.3362, 0.4423** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.0997, 0.2778, 0.2176**, and the grayscale version is **14.4980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7423, 0.3319, 0.4131**, and **5.1303, 0.3398, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **15.7384, 0.3399, 0.4712**, and if you desaturate by 10%, it is **16.7003, 0.3314, 0.4135**.

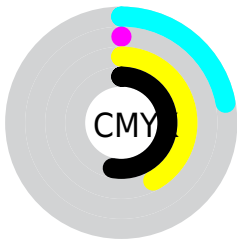
Distribution



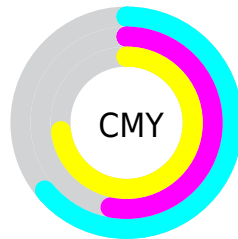
- Red (36%)
- Green (47%)
- Blue (27%)



- Red (27%)
- Yellow (47%)
- Blue (38%)



- Cyan (22%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)





- Cyan (64%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1898, 0.3362, 0.4423 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 16.1898, 0.3362, 0.4423 by changing the saturation by 10% instead.


 16.1898, 0.3362,
0.4423


 16.1898, 0.3362,
0.4423


230.4591, 0.3243,
0.3734


 9.6586, 0.3385,
0.4652


 36.9274, 0.3321,
0.4135


 5.1732, 0.3401,
0.4991

 51.9025, 0.3305,
0.4039


 2.3492, 0.3485,
0.5696

 70.4611, 0.3291,
0.3962

 0.7996, 0.2610,
0.7390

 92.9875, 0.3279,
0.3900

 0.0000, 0.0000,
0.0000

 119.8661, 0.3268,
0.3848

151.4813, 0.3259,

0.3804

188.2175, 0.3250,
0.3767

■ 16.1898, 0.3362,
0.4423

■ 16.1898, 0.3362,
0.4423

■ 15.7384, 0.3399,
0.4712

■ 16.7003, 0.3314,
0.4135

■ 15.3415, 0.3422,
0.4988

■ 17.2700, 0.3260,
0.3855

■ 14.9971, 0.3428,
0.5239

■ 17.9020, 0.3202,
0.3592

■ 14.7021, 0.3414,
0.5451

■ 18.5981, 0.3142,
0.3348

■ 14.4530, 0.3381,
0.5613

■ 19.3604, 0.3083,
0.3124

■ 14.2879, 0.3353,
0.5720

■ 20.1908, 0.3025,
0.2922

■ 21.0909, 0.2970,
0.2741

■ 22.0626, 0.2919,
0.2578

■ 23.1074, 0.2870,
0.2433

Harmonies

Analogous

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



16.1898, 0.3934, 0.4351



16.1898, 0.3362, 0.4423



16.1898, 0.2757, 0.4084

Triad

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



16.1898, 0.3362, 0.4423



16.1898, 0.2051, 0.2463



16.1898, 0.4020, 0.3052

Complementary

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



16.1898, 0.3362, 0.4423



8.0997, 0.2778, 0.2176

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.



16.1898, 0.3425, 0.2651



16.1898, 0.3362, 0.4423



16.1898, 0.2311, 0.2314

Square

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



16.1898, 0.3362, 0.4423



16.1898, 0.2038, 0.2857



16.1898, 0.2795, 0.2388



16.1898, 0.4354, 0.3525

Rectangle

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



16.1898, 0.3362, 0.4423



16.1898, 0.2417, 0.3682



16.1898, 0.2795, 0.2388



16.1898, 0.3841, 0.2907

Sweetspot

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



16.1905, 0.3362, 0.4423



31.3907, 0.3207, 0.3613



12.6711, 0.3921, 0.3839



7.3888, 0.3218, 0.3661



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.



16.1905, 0.3362, 0.4423



27.6996, 0.3398, 0.4705



15.1387, 0.3061, 0.4511



4.5339, 0.3181, 0.3506



15.5791, 0.3350, 0.5722



73.8154, 0.3314, 0.5751

Inverse Universe

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



8.0997, 0.2778, 0.2176



11.4499, 0.2671, 0.1904



9.5858, 0.3188, 0.2312



3.9882, 0.3069, 0.3074



2.6419, 0.2113, 0.0938



12.0921, 0.2063, 0.0910

Previews

White Background



This preview shows how the Yxy color 16.1898, 0.3362, 0.4423 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 16.1898, 0.3362, 0.4423 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 16.1898, 0.3362, 0.4423

Background



This preview shows how black text looks on a background with the Yxy color 16.1898, 0.3362, 0.4423.



This preview shows how white text looks on a background with the Yxy color 16.1898, 0.3362, 0.4423.

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

16.1898, 0.3362, 0.4423

Protanopia

16.1193, 0.3854, 0.4197

Deuteranopia

16.0516, 0.3997, 0.3946



Tritanopia

16.2314, 0.2862, 0.3105

Trichromacy



Original Color

16.1898, 0.3362, 0.4423

Protanomaly

16.0462, 0.3660, 0.4287

Deuteranomaly

15.9652, 0.3749, 0.4117

Tritanomaly

16.0667, 0.3051, 0.3570

Monochromacy



Original Color

16.1898, 0.3362, 0.4423

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9259, 0.3216, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1898, 0.3362, 0.4423 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(93, 120, 69) looks like.

```
.text, #text, p{  
    color:rgb(93, 120, 69)  
}
```

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(93, 120, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 120, 69) }
```

Border

The CSS property to change the border of an element to Yxy 16.1898, 0.3362, 0.4423 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(93, 120, 69) }
```

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

```
.border{ border-color:rgb(93, 120, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 120, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 120, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 120, 69);  
box-shadow:4px 4px 4px 4px rgb(93, 120,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1898, 0.3362, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 120, 69) }
```

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

```
.background{ background-color: rgb(93, 120,  
69) }
```

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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