

Converting Colors

$Y_{xy}(16.5705, 0.3100, 0.4745)$

Have a look what the booklet for
Yxy(16.5705, 0.3100, 0.4745)
contains.

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Color

Yxy(16.5208, 0.3098, 0.4752)

Conversions

Conversions Part 1

Format	Color
Hex	447E40
RGB	68, 126, 64
RGB Percent	27%, 49%, 25%
CMY	0.7333, 0.5059, 0.7489
CMYK	0.46, 0.00, 0.49, 0.51
HSL	116°, 33%, 37%
HSV	116°, 49%, 49%
XYZ	10.7705, 16.5208, 7.4747
YIQ	101.5900, -14.6660, -31.5780

Conversions

Conversions Part 2

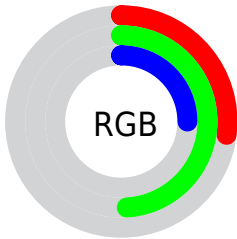
Format	Color
RYB	64, 126, 122
Decimal	4488768
CIELab	47.65, -32.40, 27.85
CIElCh	48, 42.725, 139.318
Yxy	16.5208, 0.3098, 0.4752
Android (android.graphics.Color)	4282678848 (0xFF447E40)
YUV	101.5900, -18.5319, -29.4584
Hunter-Lab	40.6458, -23.8304, 17.5487

Details

The Yxy color **16.5208, 0.3098, 0.4752** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.3151, 0.3114, 0.2128**, and the grayscale version is **13.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4255, 0.3132, 0.4367**, and **5.2981, 0.2978, 0.5518** is the 20% darker color. If you saturate the color by 10%, you get **16.0117, 0.3084, 0.5086**, and if you desaturate by 10%, it is **17.1491, 0.3109, 0.4414**.

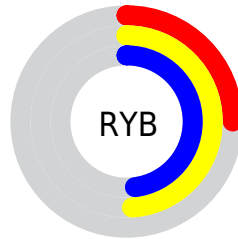
Distribution



Red (27%)

Green (49%)

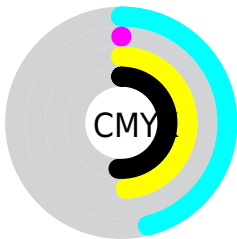
Blue (25%)



Red (25%)

Yellow (49%)

Blue (48%)

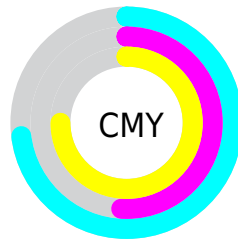


Cyan (46%)

Magenta (0%)

Yellow (49%)

Black (51%)



Cyan (73%)


Magenta (51%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5208, 0.3098, 0.4752 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 16.5208, 0.3098, 0.4752 by changing the saturation by 10% instead.


 16.5208, 0.3098,
0.4752


 16.5208, 0.3098,
0.4752

 232.3955, 0.3147,
0.3849


 9.8934, 0.3058,
0.5061


 37.5000, 0.3131,
0.4369


 5.3284, 0.2977,
0.5521

 52.6206, 0.3138,
0.4244


 2.4412, 0.2931,
0.6583

 71.3411, 0.3142,
0.4144

 0.8470, 0.0163,
0.9837

 94.0459, 0.3145,
0.4063

 0.0000, 0.0000,
0.0000

 121.1193, 0.3146,
0.3995

 152.9458, 0.3147,

0.3939

189.9098, 0.3147,
0.3891

■ 16.5208, 0.3098,
0.4752

■ 16.5208, 0.3098,
0.4752

■ 16.0117, 0.3084,
0.5086

■ 17.1491, 0.3109,
0.4414

■ 15.6122, 0.3068,
0.5394

■ 17.9011, 0.3117,
0.4089

■ 15.3149, 0.3051,
0.5653

■ 18.7837, 0.3122,
0.3787


■ 15.1105, 0.3033,
0.5843

■ 19.8028, 0.3126,
0.3514

■ 14.9828, 0.3022,
0.5973

■ 20.9639, 0.3127,
0.3272

 14.9744, 0.3021,
0.5983

 22.2720, 0.3128,
0.3059

 23.7320, 0.3127,
0.2874

 25.3487, 0.3126,
0.2713

 27.1265, 0.3125,
0.2574

Harmonies

Analogous

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



16.5208, 0.3887, 0.4792



16.5208, 0.3098, 0.4752



16.5208, 0.2360, 0.4086

Triad

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



16.5208, 0.3098, 0.4752



16.5208, 0.1833, 0.2106



16.5208, 0.4547, 0.3170

Complementary

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



16.5208, 0.3098, 0.4752



9.3151, 0.3114, 0.2128

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.



16.5208, 0.3835, 0.2632



16.5208, 0.3098, 0.4752



16.5208, 0.2260, 0.2045

Square

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



16.5208, 0.3098, 0.4752



16.5208, 0.1700, 0.2466



16.5208, 0.2969, 0.2235



16.5208, 0.4791, 0.3772

Rectangle

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



16.5208, 0.3098, 0.4752



16.5208, 0.1998, 0.3467



16.5208, 0.2969, 0.2235



16.5208, 0.4350, 0.2981

Sweetspot

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



16.5215, 0.3098, 0.4752



33.7221, 0.3124, 0.3678



18.6933, 0.3853, 0.4372



7.6023, 0.3123, 0.3726



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.5215, 0.3098, 0.4752



28.0896, 0.3083, 0.5124



16.7662, 0.2814, 0.4117



4.8309, 0.3126, 0.3512



15.3610, 0.3021, 0.5983



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3151, 0.3114, 0.2128



13.8258, 0.3105, 0.1905



9.0087, 0.3668, 0.2602



4.3988, 0.3128, 0.3077



5.4900, 0.3054, 0.1456



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.5208, 0.3098, 0.4752 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 16.5208, 0.3098, 0.4752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

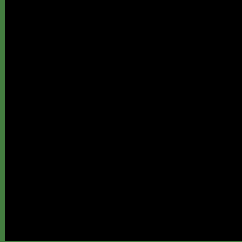
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5208, 0.3098, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 16.5208, 0.3098, 0.4752.



This preview shows how white text looks on a background with the Yxy color 16.5208, 0.3098, 0.4752.

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

16.5208, 0.3098, 0.4752

Protanopia

16.4111, 0.3956, 0.4326

Deuteranopia

16.1793, 0.4066, 0.3990



Tritanopia

16.5015, 0.2607, 0.3098

Trichromacy



Original Color

16.5208, 0.3098, 0.4752

Protanomaly

16.2368, 0.3606, 0.4494

Deuteranomaly

15.8194, 0.3667, 0.4269

Tritanomaly

16.4755, 0.2785, 0.3673

Monochromacy



Original Color

16.5208, 0.3098, 0.4752

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.2471, 0.3129, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5208, 0.3098, 0.4752 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(68, 126, 64)` looks like.

```
.text, #text, p{  
    color:rgb(68, 126, 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(68, 126, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 126, 64) }
```

Border

The CSS property to change the border of an element to Yxy 16.5208, 0.3098, 0.4752 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(68, 126, 64) }
```

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

```
.border{ border-color:rgb(68, 126, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 126, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 126, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 126, 64);  
box-shadow:4px 4px 4px 4px rgb(68, 126,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5208, 0.3098, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 126, 64) }
```

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

```
.background{ background-color: rgb(68, 126,  
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](#).

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