

Converting Colors

$Yxy(16.3536, 0.3084, 0.4216)$

Have a look what the booklet for
Yxy(16.3536, 0.3084, 0.4216)
contains.

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Color

$\text{Yxy}(16.3221, 0.3084, 0.4208)$

Conversions

Conversions Part 1

Format	Color
Hex	527A52
RGB	82, 122, 82
RGB Percent	32%, 48%, 32%
CMY	0.6784, 0.5216, 0.6784
CMYK	0.33, 0.00, 0.33, 0.52
HSL	120°, 20%, 40%
HSV	120°, 33%, 48%
XYZ	11.9623, 16.3221, 10.5039
YIQ	105.4800, -11.0000, -20.9200

Conversions

Conversions Part 2

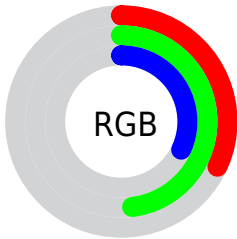
Format	Color
R_{YB}	82, 122, 122
Decimal	5405266
CIE _{Lab}	47.39, -22.68, 17.57
CIE _{LCh}	47, 28.693, 142.230
Yxy	16.3221, 0.3084, 0.4208
Android (android.graphics.Color)	4283595346 (0xFF527A52)
YUV	105.4800, -11.5756, -20.5920
Hunter-Lab	40.4006, -17.8487, 12.8655

Details

The Yxy color **16.3221, 0.3084, 0.4208** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.5772, 0.3164, 0.2516**, and the grayscale version is **14.2984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3124, 0.3104, 0.3970**, and **5.2387, 0.3015, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **15.6541, 0.3068, 0.4544**, and if you desaturate by 10%, it is **17.1218, 0.3099, 0.3894**.

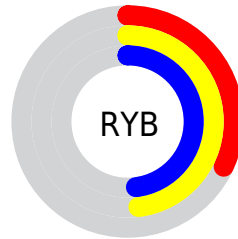
Distribution



Red (32%)

Green (48%)

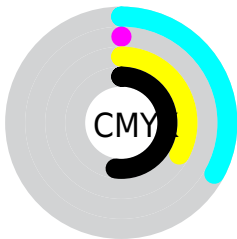
Blue (32%)



Red (32%)

Yellow (48%)

Blue (48%)

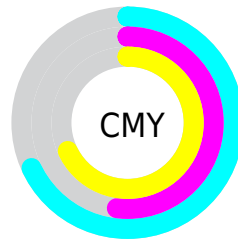


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (52%)



Cyan (68%)


Magenta (52%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3221, 0.3084, 0.4208 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 16.3221, 0.3084, 0.4208 by changing the saturation by 10% instead.


 16.3221, 0.3084,
0.4208

 16.3221, 0.3084,
0.4208


231.2349, 0.3122,
0.3647


 9.7524, 0.3063,
0.4400


 37.1565, 0.3104,
0.3971


 5.2351, 0.3024,
0.4689


 52.1899, 0.3110,
0.3893

 2.3858, 0.2941,
0.5176

 70.8134, 0.3113,
0.3831

 0.8186, 0.2151,
0.7849

 93.4113, 0.3116,
0.3781

 0.0000, 0.0000,
0.0000

 120.3680, 0.3118,
0.3739

152.0679, 0.3120,

0.3703

188.8954, 0.3121,
0.3673

■ 16.3221, 0.3084,
0.4208

■ 16.3221, 0.3084,
0.4208

■ 15.6541, 0.3068,
0.4544

■ 17.1218, 0.3099,
0.3894

■ 15.1088, 0.3052,
0.4887

■ 18.0574, 0.3112,
0.3608

■ 14.6793, 0.3037,
0.5219


■ 19.1357, 0.3124,
0.3355

■ 14.3573, 0.3023,
0.5514


■ 20.3623, 0.3135,
0.3133

■ 14.1333, 0.3012,
0.5749

■ 21.7424, 0.3144,
0.2940

 13.9958, 0.3004,
0.5907

 23.2812, 0.3151,
0.2774

 13.9197, 0.3000,
0.6000

 24.9834, 0.3158,
0.2631

 26.8538, 0.3164,
0.2507

 28.8966, 0.3169,
0.2401

Harmonies

Analogous

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



16.3221, 0.3637, 0.4322



16.3221, 0.3084, 0.4208



16.3221, 0.2569, 0.3759

Triad

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



16.3221, 0.3084, 0.4208



16.3221, 0.2227, 0.2445



16.3221, 0.4115, 0.3278

Complementary

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



16.3221, 0.3084, 0.4208



11.5772, 0.3164, 0.2516

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.



16.3221, 0.3667, 0.2867



16.3221, 0.3084, 0.4208



16.3221, 0.2568, 0.2404

Square

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



16.3221, 0.3084, 0.4208



16.3221, 0.2107, 0.2706



16.3221, 0.3088, 0.2557



16.3221, 0.4263, 0.3720

Rectangle

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



16.3221, 0.3084, 0.4208



16.3221, 0.2314, 0.3370



16.3221, 0.3088, 0.2557



16.3221, 0.3993, 0.3134

Sweetspot

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



16.3228, 0.3084, 0.4208



32.2261, 0.3115, 0.3541



18.6666, 0.3597, 0.4068



7.3218, 0.3114, 0.3570



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.



16.3228, 0.3084, 0.4208



27.8515, 0.3073, 0.4447



16.6728, 0.2877, 0.3736



4.4500, 0.3117, 0.3510



14.6546, 0.3000, 0.6000



69.9039, 0.3000, 0.6000

Inverse Universe

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



11.5772, 0.3164, 0.2516



18.1973, 0.3171, 0.2353



11.1316, 0.3484, 0.2885



4.0775, 0.3137, 0.3079



5.8350, 0.3210, 0.1542



27.8332, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 16.3221, 0.3084, 0.4208 looks on a white background.

Color Contrast Check

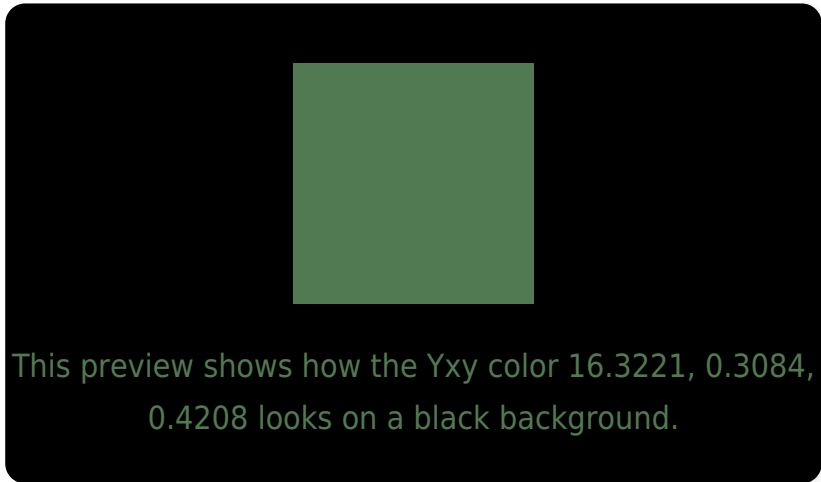
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

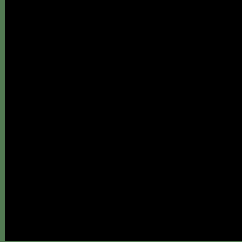
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3221, 0.3084, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 16.3221, 0.3084, 0.4208.



This preview shows how white text looks on a background with the Yxy color 16.3221, 0.3084, 0.4208.

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

16.3221, 0.3084, 0.4208

Protanopia

16.2033, 0.3690, 0.3971

Deuteranopia

16.0768, 0.3789, 0.3711



Tritanopia

16.4026, 0.2712, 0.3101

Trichromacy



Original Color

16.3221, 0.3084, 0.4208

Protanomaly

16.1811, 0.3456, 0.4076

Deuteranomaly

15.8058, 0.3511, 0.3872

Tritanomaly

16.3457, 0.2845, 0.3486

Monochromacy



Original Color

16.3221, 0.3084, 0.4208

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.7733, 0.3113, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3221, 0.3084, 0.4208 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(82, 122, 82)` looks like.

```
.text, #text, p{  
  color:rgb(82, 122, 82)  
}
```

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(82, 122, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 82) }
```

Border

The CSS property to change the border of an element to Yxy 16.3221, 0.3084, 0.4208 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(82, 122, 82) }
```

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

```
.border{ border-color:rgb(82, 122, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 122, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 82);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3221, 0.3084, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 82) }
```

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

```
.background{ background-color: rgb(82, 122,  
82) }
```

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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