

Converting Colors

$Yxy(16.9928, 0.2917, 0.4531)$

Have a look what the booklet for
Yxy(16.9928, 0.2917, 0.4531)
contains.

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Color

Yxy(16.9208, 0.2916, 0.4532)

Conversions

Conversions Part 1

Format	Color
Hex	3C804C
RGB	60, 128, 76
RGB Percent	24%, 50%, 30%
CMY	0.7647, 0.4980, 0.7020
CMYK	0.53, 0.00, 0.41, 0.50
HSL	134°, 36%, 37%
HSV	134°, 53%, 50%
XYZ	10.8873, 16.9208, 9.5282
YIQ	101.7400, -23.8360, -30.5880

Conversions

Conversions Part 2

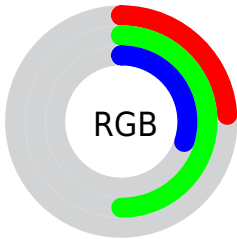
Format	Color
RYB	60, 115, 128
Decimal	3965004
CIELab	48.16, -33.73, 21.83
CIELCh	48, 40.173, 147.088
Yxy	16.9208, 0.2916, 0.4532
Android (android.graphics.Color)	4282155084 (0xFF3C804C)
YUV	101.7400, -12.6898, -36.6060
Hunter-Lab	41.1349, -24.7421, 15.0609

Details

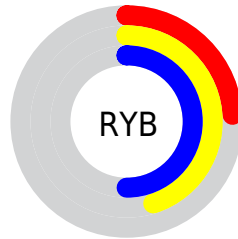
The Yxy color **16.9208, 0.2916, 0.4532** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.9922, 0.3465, 0.2318**, and the grayscale version is **13.2547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9732, 0.2983, 0.4210**, and **5.5477, 0.2770, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **16.4439, 0.2894, 0.4812**, and if you desaturate by 10%, it is **17.5163, 0.2947, 0.4258**.

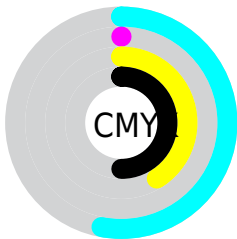
Distribution



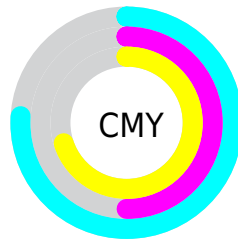
- Red (24%)
- Green (50%)
- Blue (30%)



- Red (24%)
- Yellow (45%)
- Blue (50%)



- Cyan (53%)
- Magenta (0%)
- Yellow (41%)
- Black (50%)





- Cyan (76%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9208, 0.2916, 0.4532 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 16.9208, 0.2916, 0.4532 by changing the saturation by 10% instead.


 16.9208, 0.2916,
0.4532


 16.9208, 0.2916,
0.4532


234.7156, 0.3062,
0.3767


 10.1780, 0.2855,
0.4796


 38.1896, 0.2984,
0.4207


 5.5172, 0.2751,
0.5196

 53.4843, 0.3004,
0.4101

 2.5538, 0.2569,
0.5899

 72.3986, 0.3020,
0.4016

 0.9035, 0.0376,
0.9624

 95.3167, 0.3032,
0.3947

 0.0000, 0.0000,
0.0000

 122.6230, 0.3042,
0.3890

 154.7020, 0.3050,

0.3843

191.9381, 0.3056,
0.3802

■ 16.9208, 0.2916,
0.4532

■ 16.9208, 0.2916,
0.4532

■ 16.4439, 0.2894,
0.4812

■ 17.5163, 0.2947,
0.4258

■ 16.0755, 0.2884,
0.5086

■ 18.2355, 0.2984,
0.3998

■ 15.8072, 0.2887,
0.5339

■ 19.0858, 0.3026,
0.3758

■ 15.6282, 0.2903,
0.5559

■ 20.0734, 0.3070,
0.3540

■ 15.5331, 0.2914,
0.5689

■ 21.2040, 0.3114,
0.3346

■ 22.4831, 0.3157,
0.3174

■ 23.9158, 0.3199,
0.3024

■ 25.5070, 0.3238,
0.2892

■ 27.2615, 0.3276,
0.2777

Harmonies

Analogous

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



16.9208, 0.3666, 0.4736



16.9208, 0.2916, 0.4532



16.9208, 0.2264, 0.3812

Triad

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



16.9208, 0.2916, 0.4532



16.9208, 0.1984, 0.2135



16.9208, 0.4560, 0.3331

Complementary

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



16.9208, 0.2916, 0.4532



8.9922, 0.3465, 0.2318

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.



16.9208, 0.3989, 0.2795



16.9208, 0.2916, 0.4532



16.9208, 0.2464, 0.2139

Square

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



16.9208, 0.2916, 0.4532



16.9208, 0.1785, 0.2403



16.9208, 0.3187, 0.2375



16.9208, 0.4664, 0.3907

Rectangle

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



16.9208, 0.2916, 0.4532



16.9208, 0.1969, 0.3244



16.9208, 0.3187, 0.2375



16.9208, 0.4415, 0.3145

Sweetspot

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



16.9215, 0.2916, 0.4532



34.7491, 0.3055, 0.3608



19.2189, 0.3659, 0.4616



8.0656, 0.3048, 0.3645



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.9215, 0.2916, 0.4532



28.7817, 0.2891, 0.4877



17.5228, 0.2616, 0.3700



4.8340, 0.3087, 0.3459



15.4018, 0.2914, 0.5689



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.9922, 0.3465, 0.2318



13.1947, 0.3572, 0.2136



8.3740, 0.4176, 0.2939



4.3957, 0.3170, 0.3127



5.4234, 0.3885, 0.1914



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9208, 0.2916, 0.4532 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 16.9208, 0.2916, 0.4532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

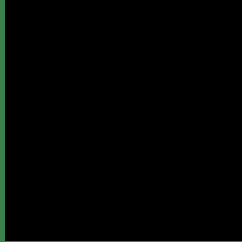
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9208, 0.2916, 0.4532

Background



This preview shows how black text looks on a background with the Yxy color 16.9208, 0.2916, 0.4532.



This preview shows how white text looks on a background with the Yxy color 16.9208, 0.2916, 0.4532.

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

16.9208, 0.2916, 0.4532

Protanopia

16.7619, 0.3819, 0.4148

Deuteranopia

16.6674, 0.3888, 0.3832



Tritanopia

16.7693, 0.2524, 0.3076

Trichromacy



Original Color

16.9208, 0.2916, 0.4532

Protanomaly

16.4282, 0.3441, 0.4304

Deuteranomaly

16.2434, 0.3470, 0.4072

Tritanomaly

16.8282, 0.2667, 0.3582

Monochromacy



Original Color

16.9208, 0.2916, 0.4532

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.1854, 0.3030, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9208, 0.2916, 0.4532 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(60, 128, 76)` looks like.

```
.text, #text, p{  
    color:rgb(60, 128, 76)  
}
```

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(60, 128, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 128, 76) }
```

Border

The CSS property to change the border of an element to Yxy 16.9208, 0.2916, 0.4532 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(60, 128, 76) }
```

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

```
.border{ border-color:rgb(60, 128, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 128, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 128, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 128, 76);  
box-shadow:4px 4px 4px 4px rgb(60, 128,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9208, 0.2916, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 128, 76) }
```

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

```
.background{ background-color: rgb(60, 128,  
76) }
```

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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