

Converting Colors

$Y_{xy}(16.7148, 0.3361, 0.5493)$

Have a look what the booklet for
Yxy(16.7148, 0.3361, 0.5493)
contains.

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Color

Yxy(16.7291, 0.3365, 0.5488)

Conversions

Conversions Part 1

Format	Color
Hex	448017
RGB	68, 128, 23
RGB Percent	27%, 50%, 9%
CMY	0.7333, 0.4980, 0.9100
CMYK	0.47, 0.00, 0.82, 0.50
HSL	94°, 70%, 30%
HSV	94°, 82%, 50%
XYZ	10.2575, 16.7291, 3.4964
YIQ	98.0900, -2.0550, -45.3750

Conversions

Conversions Part 2

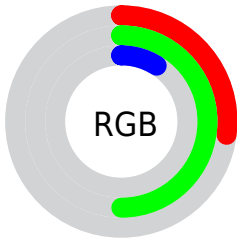
Format	Color
R_{YB}	23, 128, 83
Decimal	4489239
CIE _{Lab}	47.92, -37.45, 46.63
CIE _{LCh}	48, 59.809, 128.769
Yxy	16.7291, 0.3365, 0.5488
Android (android.graphics.Color)	4282679319 (0xFF448017)
YUV	98.0900, -37.0194, -26.3889
Hunter-Lab	40.9012, -26.8114, 23.5625

Details

The Yxy color **16.7291, 0.3365, 0.5488** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.0064, 0.2385, 0.1231**, and the grayscale version is **12.3314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7071, 0.3388, 0.4941**, and **5.5004, 0.3058, 0.5954** is the 20% darker color. If you saturate the color by 10%, you get **16.4437, 0.3329, 0.5655**, and if you desaturate by 10%, it is **17.0735, 0.3383, 0.5269**.

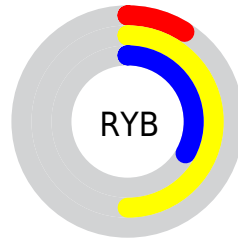
Distribution



Red (27%)

Green (50%)

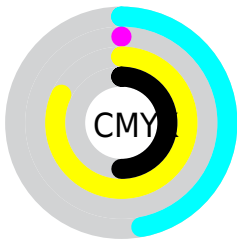
Blue (9%)



Red (9%)

Yellow (50%)

Blue (33%)

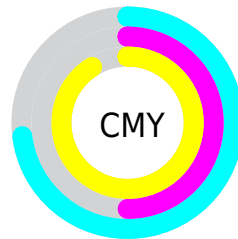


Cyan (47%)

Magenta (0%)

Yellow (82%)

Black (50%)



Cyan (73%)


Magenta (50%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7291, 0.3365, 0.5488 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 16.7291, 0.3365, 0.5488 by changing the saturation by 10% instead.


 16.7291, 0.3365,
0.5488


 16.7291, 0.3365,
0.5488


233.6064, 0.3315,
0.4152


 10.0415, 0.3308,
0.5897


 37.8594, 0.3384,
0.4942


 5.4265, 0.3249,
0.6623

 53.0710, 0.3377,
0.4754

 2.4996, 0.2812,
0.7188

 71.8926, 0.3367,
0.4604

 0.8764, 0.0000,
1.0000


 94.7088, 0.3356,
0.4480


 0.0000, 0.0000,
0.0000


 121.9038, 0.3345,
0.4378


 153.8622, 0.3335,


0.4291


 190.9682, 0.3325,
0.4217


 16.7291, 0.3365,
0.5488


 16.7291, 0.3365,
0.5488


 16.4437, 0.3329,
0.5655


 17.0735, 0.3383,
0.5269

 16.2483, 0.3296,
0.5765

 17.4791, 0.3382,
0.5010

 17.9503, 0.3365,
0.4725

 18.4906, 0.3333,
0.4429

 19.1031, 0.3292,
0.4134

■ 19.7906, 0.3244,
0.3850

■ 20.5561, 0.3192,
0.3584

■ 21.4019, 0.3138,
0.3338

■ 22.3307, 0.3085,
0.3115

Harmonies

Analogous

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



16.7291, 0.4366, 0.5082



16.7291, 0.3365, 0.5488



16.7291, 0.2356, 0.4885

Triad

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



16.7291, 0.3365, 0.5488



16.7291, 0.1361, 0.1831



16.7291, 0.4806, 0.2822

Complementary

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



16.7291, 0.3365, 0.5488



4.0064, 0.2385, 0.1231

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.



16.7291, 0.3657, 0.2214



16.7291, 0.3365, 0.5488



16.7291, 0.1748, 0.1668

Square

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



16.7291, 0.3365, 0.5488



16.7291, 0.1309, 0.2402



16.7291, 0.2519, 0.1808



16.7291, 0.5364, 0.3530

Rectangle

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



16.7291, 0.3365, 0.5488



16.7291, 0.1819, 0.3988



16.7291, 0.2519, 0.1808



16.7291, 0.4461, 0.2604

Sweetspot

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



16.7298, 0.3365, 0.5488



34.4029, 0.3261, 0.3948



10.7586, 0.4822, 0.4284



7.9709, 0.3276, 0.4032



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.



16.7298, 0.3365, 0.5488



28.6044, 0.3290, 0.5754



15.7142, 0.2983, 0.5644



4.9019, 0.3176, 0.3508



16.1114, 0.3296, 0.5765



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.0064, 0.2385, 0.1231



5.3076, 0.2197, 0.0994



6.5809, 0.3337, 0.1735



4.3234, 0.3075, 0.3073



2.9549, 0.2197, 0.0984



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7291, 0.3365, 0.5488 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 16.7291, 0.3365, 0.5488 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 16.7291, 0.3365, 0.5488

Background



This preview shows how black text looks on a background with the Yxy color 16.7291, 0.3365, 0.5488.



This preview shows how white text looks on a background with the Yxy color 16.7291, 0.3365, 0.5488.

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

16.7291, 0.3365, 0.5488

Protanopia

16.4465, 0.4342, 0.4784

Deuteranopia

16.3817, 0.4529, 0.4442



Tritanopia

16.6634, 0.2627, 0.3079

Trichromacy



Original Color

16.7291, 0.3365, 0.5488

Protanomaly

16.0715, 0.3956, 0.5066

Deuteranomaly

16.0000, 0.4066, 0.4842

Tritanomaly

16.2770, 0.2957, 0.4028

Monochromacy



Original Color

16.7291, 0.3365, 0.5488

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.4184, 0.3298, 0.4200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7291, 0.3365, 0.5488 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, 128, 23)` looks like.

```
.text, #text, p{  
    color:rgb(68, 128, 23)  
}
```

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, 128, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 128, 23) }
```

Border

The CSS property to change the border of an element to Yxy 16.7291, 0.3365, 0.5488 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, 128, 23) }
```

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

```
.border{ border-color:rgb(68, 128, 23) }
```

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

Here you see how a box with a 4 pixel rgb(68, 128, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 128, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 128, 23);  
box-shadow:4px 4px 4px 4px rgb(68, 128,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7291, 0.3365, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 128, 23) }
```

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

```
.background{ background-color: rgb(68, 128,  
23) }
```

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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