

Converting Colors

$Y_{xy}(16.5092, 0.3092, 0.5423)$

Have a look what the booklet for
Yxy(16.5092, 0.3092, 0.5423)
contains.

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Color

Yxy(16.4448, 0.3090, 0.5422)

Conversions

Conversions Part 1

Format	Color
Hex	2F8126
RGB	47, 129, 38
RGB Percent	18%, 51%, 15%
CMY	0.8157, 0.4941, 0.8510
CMYK	0.64, 0.00, 0.71, 0.49
HSL	114°, 54%, 33%
HSV	114°, 71%, 51%
XYZ	9.3719, 16.4448, 4.5131
YIQ	94.1080, -19.6610, -45.6850

Conversions

Conversions Part 2

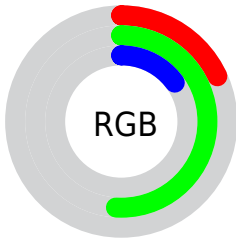
Format	Color
R_{YB}	38, 129, 120
Decimal	3113254
CIE _{Lab}	47.55, -42.94, 40.36
CIE _{LCh}	48, 58.930, 136.775
Yxy	16.4448, 0.3090, 0.5422
Android (android.graphics.Color)	4281303334 (0xFF2F8126)
YUV	94.1080, -27.6612, -41.3137
Hunter-Lab	40.5522, -29.7137, 21.7881

Details

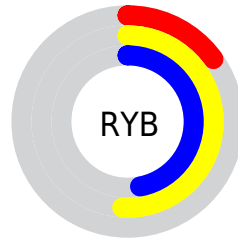
The Yxy color **16.4448, 0.3090, 0.5422** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.9644, 0.3038, 0.1706**, and the grayscale version is **11.2900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4551, 0.3157, 0.4869**, and **5.4488, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.1358, 0.3070, 0.5672**, and if you desaturate by 10%, it is **16.8577, 0.3107, 0.5121**.

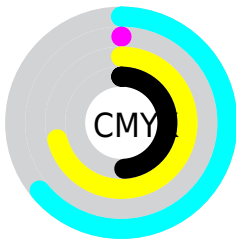
Distribution



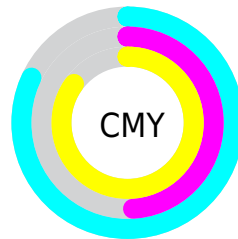
- Red (18%)
- Green (51%)
- Blue (15%)



- Red (15%)
- Yellow (51%)
- Blue (47%)



- Cyan (64%)
- Magenta (0%)
- Yellow (71%)
- Black (49%)





- Cyan (82%)
- Magenta (49%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4448, 0.3090, 0.5422 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 16.4448, 0.3090, 0.5422 by changing the saturation by 10% instead.


 16.4448, 0.3090,
0.5422

 16.4448, 0.3090,
0.5422


231.9523, 0.3185,
0.4098


 9.8394, 0.3003,
0.5859


 37.3687, 0.3159,
0.4865


 5.2926, 0.2849,
0.6534

 52.4560, 0.3173,
0.4680


 2.4200, 0.2481,
0.7519

 71.1395, 0.3180,
0.4532

 0.8361, 0.0000,
1.0000

 93.8034, 0.3184,
0.4412

 0.0000, 0.0000,
0.0000

 120.8323, 0.3186,
0.4313

 152.6105, 0.3186,

0.4230

189.5223, 0.3186,
0.4159

■ 16.4448, 0.3090,
0.5422

■ 16.4448, 0.3090,
0.5422

■ 16.1358, 0.3070,
0.5672

■ 16.8577, 0.3107,
0.5121

■ 15.9195, 0.3048,
0.5853

■ 17.3804, 0.3119,
0.4792

■ 15.7852, 0.3033,
0.5974

■ 18.0208, 0.3127,
0.4456

■ 18.7856, 0.3131,
0.4130

■ 19.6809, 0.3132,
0.3826

■ 20.7124, 0.3131,
0.3549

■ 21.8854, 0.3127,
0.3303

■ 23.2051, 0.3123,
0.3085

■ 24.6762, 0.3118,
0.2896

Harmonies

Analogous

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



16.4448, 0.4109, 0.5240



16.4448, 0.3090, 0.5422



16.4448, 0.2131, 0.4537

Triad

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



16.4448, 0.3090, 0.5422



16.4448, 0.1441, 0.1764



16.4448, 0.5016, 0.3009

Complementary

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



16.4448, 0.3090, 0.5422



6.9644, 0.3038, 0.1706

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.



16.4448, 0.3981, 0.2368



16.4448, 0.3090, 0.5422



16.4448, 0.1922, 0.1688

Square

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



16.4448, 0.3090, 0.5422



16.4448, 0.1302, 0.2210



16.4448, 0.2797, 0.1901



16.4448, 0.5356, 0.3731

Rectangle

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



16.4448, 0.3090, 0.5422



16.4448, 0.1668, 0.3608



16.4448, 0.2797, 0.1901



16.4448, 0.4728, 0.2783

Sweetspot

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



16.4455, 0.3090, 0.5422



35.0805, 0.3132, 0.3853



18.2169, 0.4149, 0.4692



7.8545, 0.3132, 0.3921



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.



16.4455, 0.3090, 0.5422



28.6263, 0.3056, 0.5797



16.6132, 0.2769, 0.4648



4.8375, 0.3130, 0.3511



15.3908, 0.3033, 0.5974



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.9644, 0.3038, 0.1706



10.4298, 0.3000, 0.1504



6.8364, 0.3967, 0.2317



4.3915, 0.3123, 0.3076



5.1832, 0.2969, 0.1409



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4448, 0.3090, 0.5422 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 16.4448, 0.3090, 0.5422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

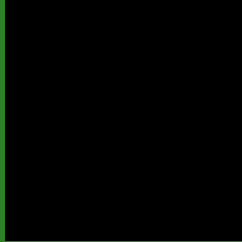
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4448, 0.3090, 0.5422

Background



This preview shows how black text looks on a background with the Yxy color 16.4448, 0.3090, 0.5422.



This preview shows how white text looks on a background with the Yxy color 16.4448, 0.3090, 0.5422.

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

16.4448, 0.3090, 0.5422

Protanopia

16.1395, 0.4235, 0.4654

Deuteranopia

16.2016, 0.4379, 0.4326



Tritanopia

16.2736, 0.2479, 0.3072

Trichromacy



Original Color

16.4448, 0.3090, 0.5422

Protanomaly

15.6196, 0.3739, 0.4987

Deuteranomaly

15.5001, 0.3834, 0.4750

Tritanomaly

15.9896, 0.2715, 0.3909

Monochromacy



Original Color

16.4448, 0.3090, 0.5422

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.5876, 0.3128, 0.4121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4448, 0.3090, 0.5422 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(47, 129, 38)` looks like.

```
.text, #text, p{  
    color:rgb(47, 129, 38)  
}
```

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(47, 129, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 129, 38) }
```

Border

The CSS property to change the border of an element to Yxy 16.4448, 0.3090, 0.5422 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(47, 129, 38) }
```

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

```
.border{ border-color:rgb(47, 129, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 129, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 129, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 129, 38);  
box-shadow:4px 4px 4px 4px rgb(47, 129,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4448, 0.3090, 0.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 129, 38) }
```

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

```
.background{ background-color: rgb(47, 129,  
38) }
```

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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