

Converting Colors

$Y_{xy}(15.4420, 0.3162, 0.5423)$

Have a look what the booklet for
Yxy(15.4420, 0.3162, 0.5423)
contains.

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Color

Yxy(15.5128, 0.3162, 0.5427)

Conversions

Conversions Part 1

Format	Color
Hex	347D22
RGB	52, 125, 34
RGB Percent	20%, 49%, 13%
CMY	0.7961, 0.5098, 0.8666
CMYK	0.58, 0.00, 0.73, 0.51
HSL	108°, 57%, 31%
HSV	108°, 73%, 49%
XYZ	9.0384, 15.5128, 4.0333
YIQ	92.7990, -14.2970, -43.7770

Conversions

Conversions Part 2

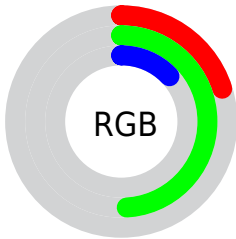
Format	Color
RYB	34, 125, 107
Decimal	3439906
CIELab	46.33, -40.44, 40.79
CIELCh	46, 57.440, 134.749
Yxy	15.5128, 0.3162, 0.5427
Android (android.graphics.Color)	4281629986 (0xFF347D22)
YUV	92.7990, -28.9879, -35.7807
Hunter-Lab	39.3863, -27.9636, 21.4989

Details

The Yxy color **15.5128, 0.3162, 0.5427** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.7550, 0.2868, 0.1596**, and the grayscale version is **10.9687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6067, 0.3222, 0.4864**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.2155, 0.3136, 0.5662**, and if you desaturate by 10%, it is **15.8943, 0.3179, 0.5142**.

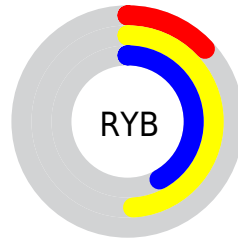
Distribution



Red (20%)

Green (49%)

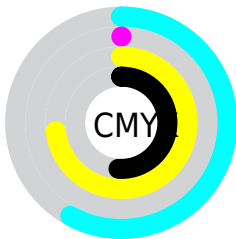
Blue (13%)



Red (13%)

Yellow (49%)

Blue (42%)

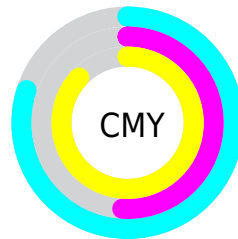


Cyan (58%)

Magenta (0%)

Yellow (73%)

Black (51%)



Cyan (80%)


Magenta (51%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5128, 0.3162, 0.5427 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 15.5128, 0.3162, 0.5427 by changing the saturation by 10% instead.


 15.5128, 0.3162,
0.5427


 15.5128, 0.3162,
0.5427

226.4494, 0.3217,
0.4096


 9.1801, 0.3083,
0.5867


 35.7503, 0.3217,
0.4866


 4.8588, 0.2960,
0.6603

 50.4239, 0.3225,
0.4679

 2.1647, 0.2524,
0.7476

 68.6465, 0.3227,
0.4531

 0.7006, 0.0000,
1.0000

 90.8026, 0.3227,
0.4411

 0.0000, 0.0000,
0.0000

 117.2765, 0.3225,
0.4311

 148.4527, 0.3223,

0.4228

184.7156, 0.3220,
0.4157

15.5128, 0.3162,
0.5427

15.5128, 0.3162,
0.5427

15.2155, 0.3136,
0.5662

15.8943, 0.3179,
0.5142

14.9937, 0.3103,
0.5833

16.3639, 0.3186,
0.4828

14.8706, 0.3083,
0.5934

16.9275, 0.3186,
0.4503

17.5901, 0.3178,
0.4185

18.3560, 0.3166,
0.3883

■ 19.2297, 0.3150,
0.3605

■ 20.2150, 0.3132,
0.3355

■ 21.3158, 0.3113,
0.3131

■ 22.5357, 0.3094,
0.2934

Harmonies

Analogous

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



15.5128, 0.4171, 0.5191



15.5128, 0.3162, 0.5427



15.5128, 0.2194, 0.4616

Triad

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



15.5128, 0.3162, 0.5427



15.5128, 0.1429, 0.1789



15.5128, 0.4953, 0.2965

Complementary

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



15.5128, 0.3162, 0.5427



5.7550, 0.2868, 0.1596

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.



15.5128, 0.3894, 0.2334



15.5128, 0.3162, 0.5427



15.5128, 0.1884, 0.1691

Square

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



15.5128, 0.3162, 0.5427



15.5128, 0.1313, 0.2263



15.5128, 0.2728, 0.1884



15.5128, 0.5347, 0.3681

Rectangle

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



15.5128, 0.3162, 0.5427



15.5128, 0.1714, 0.3700



15.5128, 0.2728, 0.1884



15.5128, 0.4652, 0.2742

Sweetspot

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



15.5135, 0.3162, 0.5427



32.9054, 0.3166, 0.3876



14.9514, 0.4290, 0.4586



7.4140, 0.3169, 0.3939



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.



15.5135, 0.3162, 0.5427



26.9795, 0.3116, 0.5779



15.3490, 0.2840, 0.4927



4.8565, 0.3144, 0.3511



15.5171, 0.3082, 0.5935



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.7550, 0.2868, 0.1596



8.3609, 0.2785, 0.1376



6.3823, 0.3775, 0.2147



4.3709, 0.3108, 0.3075



4.3895, 0.2729, 0.1277



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.5128, 0.3162, 0.5427 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 15.5128, 0.3162, 0.5427 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 15.5128, 0.3162, 0.5427

Background



This preview shows how black text looks on a background with the Yxy color 15.5128, 0.3162, 0.5427.



This preview shows how white text looks on a background with the Yxy color 15.5128, 0.3162, 0.5427.

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

15.5128, 0.3162, 0.5427

Protanopia

15.2420, 0.4261, 0.4682

Deuteranopia

15.3020, 0.4416, 0.4353



Tritanopia

15.5685, 0.2527, 0.3091

Trichromacy



Original Color

15.5128, 0.3162, 0.5427

Protanomaly

14.9018, 0.3796, 0.5003

Deuteranomaly

14.7381, 0.3884, 0.4776

Tritanomaly

15.3132, 0.2781, 0.3940

Monochromacy



Original Color

15.5128, 0.3162, 0.5427

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.1907, 0.3169, 0.4126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5128, 0.3162, 0.5427 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(52, 125, 34)` looks like.

```
.text, #text, p{  
    color:rgb(52, 125, 34)  
}
```

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(52, 125, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 125, 34) }
```

Border

The CSS property to change the border of an element to Yxy 15.5128, 0.3162, 0.5427 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(52, 125, 34) }
```

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

```
.border{ border-color:rgb(52, 125, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 125, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 125, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 125, 34);  
box-shadow:4px 4px 4px 4px rgb(52, 125,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5128, 0.3162, 0.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 125, 34) }
```

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

```
.background{ background-color: rgb(52, 125,  
34) }
```

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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