

Converting Colors

$Yxy(15.2356, 0.3134, 0.5348)$

Have a look what the booklet for
Yxy(15.2356, 0.3134, 0.5348)
contains.

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Color

$Y_{xy}(15.2591, 0.3132, 0.5356)$

Conversions

Conversions Part 1

Format	Color
Hex	337C26
RGB	51, 124, 38
RGB Percent	20%, 49%, 15%
CMY	0.8000, 0.5137, 0.8510
CMYK	0.59, 0.00, 0.69, 0.51
HSL	111°, 53%, 32%
HSV	111°, 69%, 49%
XYZ	8.9230, 15.2591, 4.3076
YIQ	92.3690, -15.9020, -42.2220

Conversions

Conversions Part 2

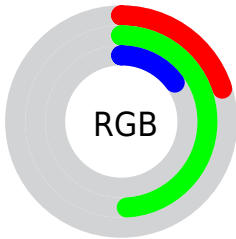
Format	Color
R_{YB}	38, 124, 111
Decimal	3374118
CIE _{Lab}	45.99, -39.94, 38.73
CIE _{LCh}	46, 55.632, 135.885
Yxy	15.2591, 0.3132, 0.5356
Android (android.graphics.Color)	4281564198 (0xFF337C26)
YUV	92.3690, -26.8039, -36.2806
Hunter-Lab	39.0629, -27.5860, 20.8058

Details

The Yxy color **15.2591, 0.3132, 0.5356** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.2192, 0.2958, 0.1690**, and the grayscale version is **10.8588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2130, 0.3190, 0.4795**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.9495, 0.3110, 0.5613**, and if you desaturate by 10%, it is **15.6586, 0.3147, 0.5055**.

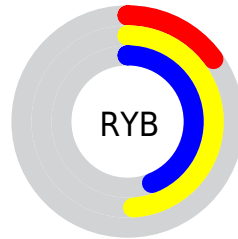
Distribution



Red (20%)

Green (49%)

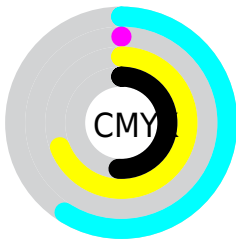
Blue (15%)



Red (15%)

Yellow (49%)

Blue (44%)

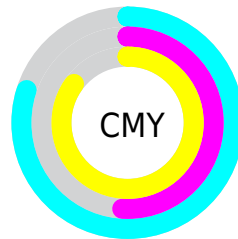


Cyan (59%)

Magenta (0%)

Yellow (69%)

Black (51%)



Cyan (80%)


Magenta (51%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2591, 0.3132, 0.5356 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 15.2591, 0.3132, 0.5356 by changing the saturation by 10% instead.


 15.2591, 0.3132,
0.5356


 15.2591, 0.3132,
0.5356


224.9292, 0.3198,
0.4063


 9.0014, 0.3054,
0.5791


 35.3071, 0.3189,
0.4808


 4.7421, 0.2922,
0.6496

 49.8662, 0.3198,
0.4627

 2.0968, 0.2522,
0.7478

 67.9612, 0.3202,
0.4483

 0.6628, 0.0000,
1.0000

 89.9766, 0.3203,
0.4367

 0.0000, 0.0000,
0.0000

 116.2967, 0.3203,
0.4271

 147.3058, 0.3202,

0.4191

183.3886, 0.3200,
0.4122

■ 15.2591, 0.3132,
0.5356

■ 15.2591, 0.3132,
0.5356

■ 14.9495, 0.3110,
0.5613

■ 15.6586, 0.3147,
0.5055

■ 14.7208, 0.3083,
0.5806

■ 16.1522, 0.3155,
0.4730

■ 14.5604, 0.3058,
0.5946

■ 16.7463, 0.3158,
0.4401

■ 14.5519, 0.3057,
0.5954

■ 17.4461, 0.3154,
0.4083

■ 18.2564, 0.3147,
0.3787

■ 19.1818, 0.3138,
0.3517

■ 20.2264, 0.3126,
0.3275

■ 21.3945, 0.3114,
0.3062

■ 22.6898, 0.3101,
0.2874

Harmonies

Analogous

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



15.2591, 0.4124, 0.5174



15.2591, 0.3132, 0.5356



15.2591, 0.2188, 0.4530

Triad

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



15.2591, 0.3132, 0.5356



15.2591, 0.1472, 0.1811



15.2591, 0.4935, 0.3003

Complementary

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



15.2591, 0.3132, 0.5356



6.2192, 0.2958, 0.1690

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.



15.2591, 0.3921, 0.2376



15.2591, 0.3132, 0.5356



15.2591, 0.1934, 0.1724

Square

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



15.2591, 0.3132, 0.5356



15.2591, 0.1345, 0.2264



15.2591, 0.2778, 0.1924



15.2591, 0.5295, 0.3712

Rectangle

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



15.2591, 0.3132, 0.5356



15.2591, 0.1725, 0.3641



15.2591, 0.2778, 0.1924



15.2591, 0.4650, 0.2781

Sweetspot

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



15.2597, 0.3132, 0.5356



31.8048, 0.3149, 0.3848



15.5052, 0.4204, 0.4589



7.4132, 0.3151, 0.3914



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.



15.2597, 0.3132, 0.5356



26.0643, 0.3095, 0.5730



15.2289, 0.2819, 0.4765



4.4764, 0.3137, 0.3509



14.7922, 0.3057, 0.5955



70.3200, 0.3036, 0.5971

Inverse Universe

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



6.2192, 0.2958, 0.1690



8.9750, 0.2900, 0.1471



6.5031, 0.3801, 0.2230



4.0483, 0.3115, 0.3077



4.5457, 0.2842, 0.1339



21.3883, 0.2822, 0.1328

Previews

White Background



This preview shows how the Yxy color 15.2591, 0.3132, 0.5356 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 15.2591, 0.3132, 0.5356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

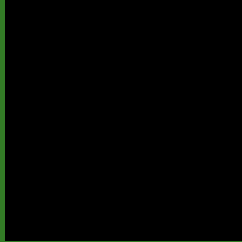
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2591, 0.3132, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 15.2591, 0.3132, 0.5356.



This preview shows how white text looks on a background with the Yxy color 15.2591, 0.3132, 0.5356.

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

15.2591, 0.3132, 0.5356

Protanopia

15.1177, 0.4201, 0.4656

Deuteranopia

15.0409, 0.4384, 0.4305



Tritanopia

15.2735, 0.2523, 0.3089

Trichromacy



Original Color

15.2591, 0.3132, 0.5356

Protanomaly

14.6428, 0.3763, 0.4944

Deuteranomaly

14.4791, 0.3853, 0.4724

Tritanomaly

15.0407, 0.2769, 0.3921

Monochromacy



Original Color

15.2591, 0.3132, 0.5356

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.9463, 0.3157, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2591, 0.3132, 0.5356 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(51, 124, 38)` looks like.

```
.text, #text, p{  
    color:rgb(51, 124, 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(51, 124, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 124, 38) }
```

Border

The CSS property to change the border of an element to Yxy 15.2591, 0.3132, 0.5356 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(51, 124, 38) }
```

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

```
.border{ border-color:rgb(51, 124, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 124, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 124, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 124, 38);  
box-shadow:4px 4px 4px 4px rgb(51, 124,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2591, 0.3132, 0.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 124, 38) }
```

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

```
.background{ background-color: rgb(51, 124,  
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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