

Converting Colors

$Y_{xy}(11.6541, 0.3113, 0.5019)$

Have a look what the booklet for
Yxy(11.6541, 0.3113, 0.5019)
contains.

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Color

Yxy(11.6184, 0.3109, 0.5015)

Conversions

Conversions Part 1

Format	Color
Hex	336C2D
RGB	51, 108, 45
RGB Percent	20%, 42%, 18%
CMY	0.7999, 0.5765, 0.8235
CMYK	0.53, 0.00, 0.58, 0.58
HSL	114°, 41%, 30%
HSV	114°, 58%, 42%
XYZ	7.2027, 11.6184, 4.3462
YIQ	83.7750, -13.7490, -31.6770

Conversions

Conversions Part 2

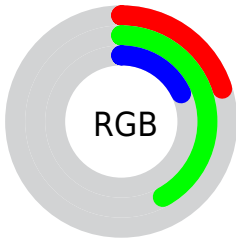
Format	Color
RYB	45, 108, 102
Decimal	3370029
CIELab	40.60, -32.39, 29.24
CIELCh	41, 43.637, 137.927
Yxy	11.6184, 0.3109, 0.5015
Android (android.graphics.Color)	4281560109 (0xFF336C2D)
YUV	83.7750, -19.1161, -28.7437
Hunter-Lab	34.0858, -21.9310, 16.3001

Details

The Yxy color **11.6184, 0.3109, 0.5015** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.7833, 0.3069, 0.1945**, and the grayscale version is **8.8610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7567, 0.3147, 0.4519**, and **3.2317, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.3183, 0.3094, 0.5323**, and if you desaturate by 10%, it is **11.9941, 0.3120, 0.4687**.

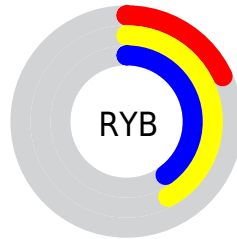
Distribution



Red (20%)

Green (42%)

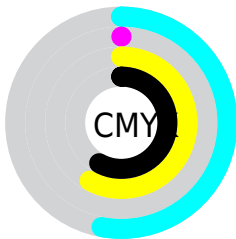
Blue (18%)



Red (18%)

Yellow (42%)

Blue (40%)

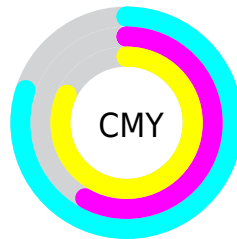


Cyan (53%)

Magenta (0%)

Yellow (58%)

Black (58%)



Cyan (80%)


Magenta (58%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6184, 0.3109, 0.5015 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 11.6184, 0.3109, 0.5015 by changing the saturation by 10% instead.


 11.6184, 0.3109,
0.5015


 11.6184, 0.3109,
0.5015


 201.8624, 0.3165,
0.3899


 6.4844, 0.3046,
0.5432


 28.7982, 0.3153,
0.4522


 3.1418, 0.2950,
0.6185

 41.6127, 0.3161,
0.4367

 1.2062, 0.2122,
0.7878

 57.7563, 0.3165,
0.4245

 0.0668, 0.0000,
1.0000

 77.6132, 0.3166,
0.4148

 0.0000, 0.0000,
0.0000

 101.5678, 0.3167,
0.4069

 130.0047, 0.3166,

0.4003

163.3080, 0.3166,
0.3947

■ 11.6184, 0.3109,
0.5015

■ 11.6184, 0.3109,
0.5015

■ 11.3183, 0.3094,
0.5323

■ 11.9941, 0.3120,
0.4687

■ 11.0873, 0.3075,
0.5589

■ 12.4485, 0.3127,
0.4359

■ 10.9203, 0.3054,
0.5793

■ 12.9863, 0.3130,
0.4044

■ 10.8066, 0.3039,
0.5945

■ 13.6114, 0.3131,
0.3752

■ 10.7914, 0.3038,
0.5970

■ 14.3275, 0.3130,
0.3488

■ 15.1379, 0.3127,
0.3253

■ 16.0460, 0.3122,
0.3045

■ 17.0548, 0.3118,
0.2864

■ 18.1673, 0.3112,
0.2706

Harmonies

Analogous

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



11.6184, 0.3993, 0.4979



11.6184, 0.3109, 0.5015



11.6184, 0.2277, 0.4265

Triad

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



11.6184, 0.3109, 0.5015



11.6184, 0.1669, 0.1968



11.6184, 0.4728, 0.3104

Complementary

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



11.6184, 0.3109, 0.5015



5.7833, 0.3069, 0.1945

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.



11.6184, 0.3887, 0.2522



11.6184, 0.3109, 0.5015



11.6184, 0.2118, 0.1898

Square

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



11.6184, 0.3109, 0.5015



11.6184, 0.1535, 0.2369



11.6184, 0.2895, 0.2096



11.6184, 0.5019, 0.3760

Rectangle

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



11.6184, 0.3109, 0.5015



11.6184, 0.1870, 0.3530



11.6184, 0.2895, 0.2096



11.6184, 0.4494, 0.2899

Sweetspot

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



11.6189, 0.3109, 0.5015



23.9996, 0.3131, 0.3728



12.8213, 0.3985, 0.4489



5.7683, 0.3131, 0.3768



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.6189, 0.3109, 0.5015



19.7129, 0.3088, 0.5424



11.7276, 0.2801, 0.4347



3.4574, 0.3130, 0.3504



12.8652, 0.3035, 0.5972



65.3709, 0.3018, 0.5986

Inverse Universe

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



5.7833, 0.3069, 0.1945



8.3764, 0.3043, 0.1708



5.6869, 0.3748, 0.2457



3.1499, 0.3123, 0.3084



4.3607, 0.2979, 0.1415



22.0140, 0.2965, 0.1407

Previews

White Background



This preview shows how the Yxy color 11.6184, 0.3109, 0.5015 looks on a white background.

Color Contrast Check

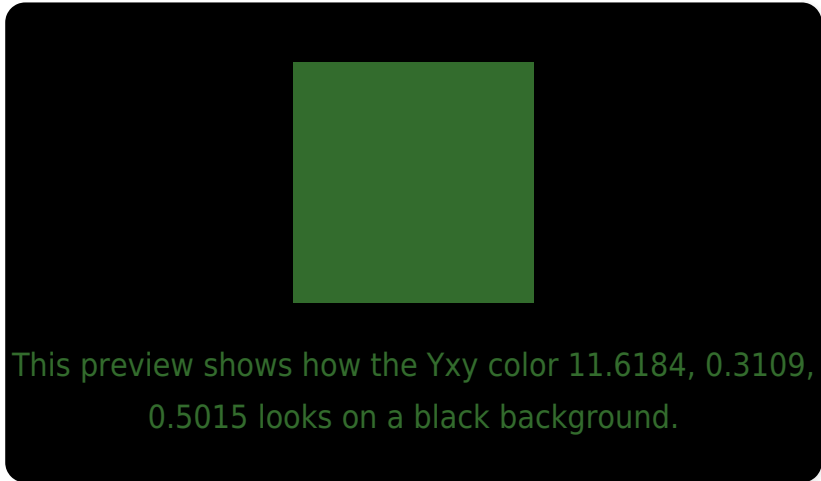
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 11.6184, 0.3109, 0.5015

Background



This preview shows how black text looks on a background with the Yxy color 11.6184, 0.3109, 0.5015.



This preview shows how white text looks on a background with the Yxy color 11.6184, 0.3109, 0.5015.

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

11.6184, 0.3109, 0.5015

Protanopia

11.4087, 0.4078, 0.4457

Deuteranopia

11.4944, 0.4196, 0.4139



Tritanopia

11.5570, 0.2561, 0.3067

Trichromacy



Original Color

11.6184, 0.3109, 0.5015

Protanomaly

11.2599, 0.3676, 0.4697

Deuteranomaly

11.0899, 0.3750, 0.4461

Tritanomaly

11.5332, 0.2775, 0.3768

Monochromacy



Original Color

11.6184, 0.3109, 0.5015

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.6486, 0.3128, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6184, 0.3109, 0.5015 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, 108, 45)` looks like.

```
.text, #text, p{  
    color:rgb(51, 108, 45)  
}
```

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, 108, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 108, 45) }
```

Border

The CSS property to change the border of an element to Yxy 11.6184, 0.3109, 0.5015 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, 108, 45) }
```

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

```
.border{ border-color:rgb(51, 108, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 108, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 108, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 108, 45);  
box-shadow:4px 4px 4px 4px rgb(51, 108,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6184, 0.3109, 0.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 108, 45) }
```

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

```
.background{ background-color: rgb(51, 108,  
45) }
```

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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