

Converting Colors

$Y_{xy}(11.5254, 0.3537, 0.5103)$

Have a look what the booklet for
Yxy(11.5254, 0.3537, 0.5103)
contains.

Yxy(11.6185, 0.3532, 0.5100)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.6185, 0.3532, 0.5100)

Conversions

Conversions Part 1

Format	Color
Hex	49691F
RGB	73, 105, 31
RGB Percent	29%, 41%, 12%
CMY	0.7138, 0.5882, 0.8783
CMYK	0.30, 0.00, 0.70, 0.59
HSL	86°, 54%, 27%
HSV	86°, 70%, 41%
XYZ	8.0464, 11.6185, 3.1165
YIQ	86.9960, 4.6820, -29.7980

Conversions

Conversions Part 2

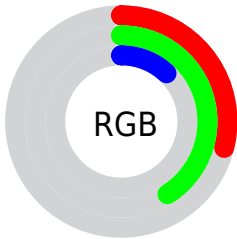
Format	Color
R_{YB}	31, 105, 63
Decimal	4811039
CIE _{Lab}	40.60, -24.43, 36.41
CIE _{LCh}	41, 43.852, 123.863
Yxy	11.6185, 0.3532, 0.5100
Android (android.graphics.Color)	4283001119 (0xFF49691F)
YUV	86.9960, -27.6060, -12.2745
Hunter-Lab	34.0859, -17.5133, 18.4392

Details

The Yxy color **11.6185, 0.3532, 0.5100** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.0593, 0.2332, 0.1401**, and the grayscale version is **9.5903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6412, 0.3477, 0.4600**, and **3.1459, 0.3408, 0.5676** is the 20% darker color. If you saturate the color by 10%, you get **11.4013, 0.3536, 0.5306**, and if you desaturate by 10%, it is **11.8677, 0.3508, 0.4860**.

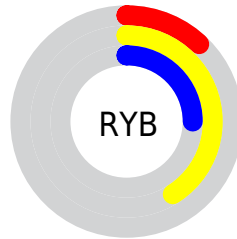
Distribution



Red (29%)

Green (41%)

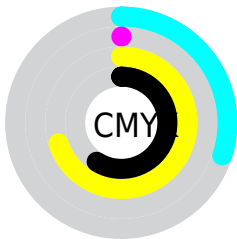
Blue (12%)



Red (12%)

Yellow (41%)

Blue (25%)

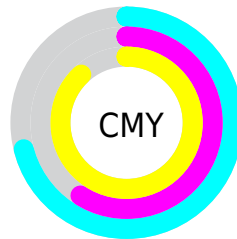


Cyan (30%)

Magenta (0%)

Yellow (70%)

Black (59%)



Cyan (71%)


Magenta (59%)


Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6185, 0.3532, 0.5100 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 11.6185, 0.3532, 0.5100 by changing the saturation by 10% instead.


 11.6185, 0.3532,
0.5100


 11.6185, 0.3532,
0.5100


201.8630, 0.3341,
0.3957


 6.4845, 0.3535,
0.5488


 28.7983, 0.3480,
0.4612


 3.1418, 0.3646,
0.6354

 41.6130, 0.3453,
0.4451


 1.2062, 0.3009,
0.6991

 57.7565, 0.3429,
0.4325

 0.0668, 0.0000,
1.0000

 77.6135, 0.3407,
0.4223


 0.0000, 0.0000,
0.0000


 101.5682, 0.3387,
0.4138


 130.0052, 0.3370,

0.4068


 163.3086, 0.3355,
0.4008

 11.6185, 0.3532,
0.5100


 11.6185, 0.3532,
0.5100


 11.4013, 0.3536,
0.5306


 11.8677, 0.3508,
0.4860


 11.2126, 0.3520,
0.5470

 12.1494, 0.3466,
0.4598

 11.0510, 0.3495,
0.5607

 12.4655, 0.3411,
0.4326

 12.8178, 0.3347,
0.4053

 13.2076, 0.3277,
0.3787

■ 13.6363, 0.3204,
0.3535

■ 14.1050, 0.3130,
0.3300

■ 14.6151, 0.3059,
0.3084

■ 15.1677, 0.2989,
0.2886

Harmonies

Analogous

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



11.6185, 0.4365, 0.4764



11.6185, 0.3532, 0.5100



11.6185, 0.2641, 0.4712

Triad

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



11.6185, 0.3532, 0.5100



11.6185, 0.1562, 0.2105



11.6185, 0.4389, 0.2815

Complementary

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



11.6185, 0.3532, 0.5100



3.0593, 0.2332, 0.1401

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.



11.6185, 0.3414, 0.2293



11.6185, 0.3532, 0.5100



11.6185, 0.1862, 0.1889

Square

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



11.6185, 0.3532, 0.5100



11.6185, 0.1576, 0.2693



11.6185, 0.2489, 0.1967



11.6185, 0.4973, 0.3447

Rectangle

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



11.6185, 0.3532, 0.5100



11.6185, 0.2135, 0.4055



11.6185, 0.2489, 0.1967



11.6185, 0.4085, 0.2625

Sweetspot

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



11.6190, 0.3532, 0.5100



23.5645, 0.3285, 0.3817



6.5315, 0.4729, 0.3966



5.4874, 0.3299, 0.3868



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.6190, 0.3532, 0.5100



20.1727, 0.3527, 0.5425



10.5997, 0.3082, 0.5382



3.5215, 0.3193, 0.3500



13.9698, 0.3487, 0.5613



70.6619, 0.3451, 0.5642

Inverse Universe

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



3.0593, 0.2332, 0.1401



3.7011, 0.2104, 0.1045



4.6449, 0.3066, 0.1743



3.0832, 0.3057, 0.3079



1.9889, 0.1938, 0.0842



9.6401, 0.1882, 0.0811

Previews

White Background



This preview shows how the Yxy color 11.6185, 0.3532, 0.5100 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 11.6185, 0.3532, 0.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

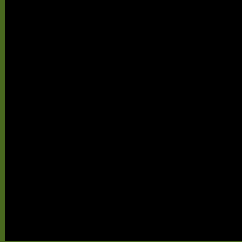
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6185, 0.3532, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 11.6185, 0.3532, 0.5100.



This preview shows how white text looks on a background with the Yxy color 11.6185, 0.3532, 0.5100.

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

11.6185, 0.3532, 0.5100

Protanopia

11.5803, 0.4205, 0.4652

Deuteranopia

11.5315, 0.4406, 0.4355



Tritanopia

11.6150, 0.2812, 0.3099

Trichromacy



Original Color

11.6185, 0.3532, 0.5100

Protanomaly

11.4503, 0.3955, 0.4809

Deuteranomaly

11.3060, 0.4074, 0.4628

Tritanomaly

11.5341, 0.3101, 0.3850

Monochromacy



Original Color

11.6185, 0.3532, 0.5100

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.2045, 0.3327, 0.3997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6185, 0.3532, 0.5100 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(73, 105, 31)` looks like.

```
.text, #text, p{  
    color:rgb(73, 105, 31)  
}
```

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(73, 105, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 105, 31) }
```

Border

The CSS property to change the border of an element to Yxy 11.6185, 0.3532, 0.5100 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(73, 105, 31) }
```

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

```
.border{ border-color:rgb(73, 105, 31) }
```

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

Here you see how a box with a 4 pixel rgb(73, 105, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 105, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 105, 31);  
box-shadow:4px 4px 4px 4px rgb(73, 105,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6185, 0.3532, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 105, 31) }
```

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

```
.background{ background-color: rgb(73, 105,  
31) }
```

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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