

Converting Colors

$Y_{xy}(16.3254, 0.3697, 0.5171)$

Have a look what the booklet for
Yxy(16.3254, 0.3697, 0.5171)
contains.

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Color

Yxy(16.3254, 0.3697, 0.5171)

Conversions

Conversions Part 1

Format	Color
Hex	5D7A1B
RGB	93, 122, 27
RGB Percent	36%, 48%, 11%
CMY	0.6353, 0.5216, 0.8940
CMYK	0.24, 0.00, 0.78, 0.52
HSL	78°, 64%, 29%
HSV	78°, 78%, 48%
XYZ	11.6718, 16.3254, 3.5738
YIQ	102.4990, 13.2110, -35.6930

Conversions

Conversions Part 2

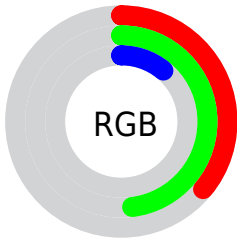
Format	Color
R_{YB}	27, 122, 56
Decimal	6126107
CIE _{Lab}	47.40, -24.74, 45.27
CIE _{LCh}	47, 51.593, 118.660
Yxy	16.3254, 0.3697, 0.5171
Android (android.graphics.Color)	4284316187 (0xFF5D7A1B)
YUV	102.4990, -37.2210, -8.3306
Hunter-Lab	40.4047, -19.1444, 23.0390

Details

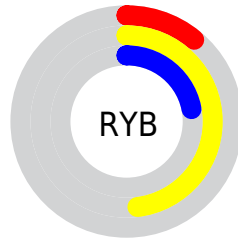
The Yxy color **16.3254, 0.3697, 0.5171** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.0314, 0.2030, 0.1111**, and the grayscale version is **13.5228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3354, 0.3618, 0.4724**, and **5.2787, 0.3557, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **16.0912, 0.3700, 0.5321**, and if you desaturate by 10%, it is **16.5940, 0.3670, 0.4980**.

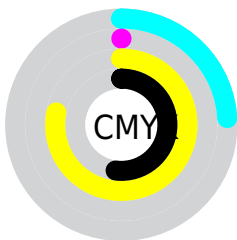
Distribution



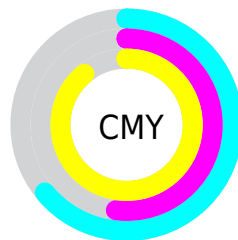
- Red (36%)
- Green (48%)
- Blue (11%)



- Red (11%)
- Yellow (48%)
- Blue (22%)



- Cyan (24%)
- Magenta (0%)
- Yellow (78%)
- Black (52%)




- Cyan (64%)
- Magenta (52%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3254, 0.3697, 0.5171 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 16.3254, 0.3697, 0.5171 by changing the saturation by 10% instead.


 16.3254, 0.3697,
0.5171


 16.3254, 0.3697,
0.5171


 231.2542, 0.3435,
0.4052


 9.7547, 0.3715,
0.5499


 37.1622, 0.3624,
0.4722


 5.2366, 0.3770,
0.6071

 52.1971, 0.3588,
0.4566

 2.3868, 0.3506,
0.6494

 70.8222, 0.3554,
0.4439

 0.8191, 0.1756,
0.8244

 93.4218, 0.3525,
0.4334

 0.0000, 0.0000,
0.0000

 120.3805, 0.3498,
0.4246

 152.0825, 0.3475,

0.4172

188.9123, 0.3454,
0.4108

16.3254, 0.3697,
0.5171

16.3254, 0.3697,
0.5171

16.0912, 0.3700,
0.5321

16.5940, 0.3670,
0.4980

15.8826, 0.3685,
0.5434

16.8976, 0.3623,
0.4755

15.8393, 0.3682,
0.5459

17.2392, 0.3557,
0.4507

17.6210, 0.3477,
0.4246

18.0450, 0.3389,
0.3982

■ 18.5128, 0.3296,
0.3723

■ 19.0264, 0.3201,
0.3475

■ 19.5871, 0.3107,
0.3241

■ 20.1966, 0.3017,
0.3024

Harmonies

Analogous

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



16.3254, 0.4535, 0.4709



16.3254, 0.3697, 0.5171



16.3254, 0.2765, 0.4930

Triad

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



16.3254, 0.3697, 0.5171



16.3254, 0.1482, 0.2125



16.3254, 0.4290, 0.2687

Complementary

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



16.3254, 0.3697, 0.5171



3.0314, 0.2030, 0.1111

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.



16.3254, 0.3241, 0.2178



16.3254, 0.3697, 0.5171



16.3254, 0.1734, 0.1848

Square

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



16.3254, 0.3697, 0.5171



16.3254, 0.1550, 0.2809



16.3254, 0.2321, 0.1882



16.3254, 0.5002, 0.3323

Rectangle

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



16.3254, 0.3697, 0.5171



16.3254, 0.2210, 0.4297



16.3254, 0.2321, 0.1882



16.3254, 0.3952, 0.2498

Sweetspot

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



16.3261, 0.3697, 0.5171



32.0892, 0.3349, 0.3870



6.9985, 0.5199, 0.3784



7.2827, 0.3377, 0.3947



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.3261, 0.3697, 0.5171



28.0365, 0.3688, 0.5402



14.5802, 0.3153, 0.5548



4.5754, 0.3212, 0.3504



16.6711, 0.3681, 0.5460



79.0604, 0.3654, 0.5481

Inverse Universe

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



3.0314, 0.2030, 0.1111



3.5526, 0.1796, 0.0805



5.0739, 0.2839, 0.1516



3.9474, 0.3037, 0.3072



1.8944, 0.1738, 0.0731



8.6380, 0.1692, 0.0706

Previews

White Background



This preview shows how the Yxy color 16.3254, 0.3697, 0.5171 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 16.3254, 0.3697, 0.5171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

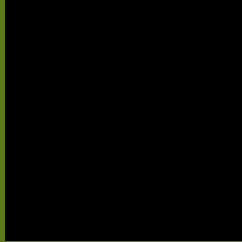
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3254, 0.3697, 0.5171

Background



This preview shows how black text looks on a background with the Yxy color 16.3254, 0.3697, 0.5171.



This preview shows how white text looks on a background with the Yxy color 16.3254, 0.3697, 0.5171.

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

16.3254, 0.3697, 0.5171

Protanopia

16.0941, 0.4296, 0.4744

Deuteranopia

16.0863, 0.4530, 0.4436



Tritanopia

16.3483, 0.2886, 0.3106

Trichromacy



Original Color

16.3254, 0.3697, 0.5171

Protanomaly

16.1428, 0.4064, 0.4906

Deuteranomaly

15.9724, 0.4228, 0.4705

Tritanomaly

16.0798, 0.3237, 0.3923

Monochromacy



Original Color

16.3254, 0.3697, 0.5171

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3125, 0.3417, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3254, 0.3697, 0.5171 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(93, 122, 27)` looks like.

```
.text, #text, p{  
    color:rgb(93, 122, 27)  
}
```

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(93, 122, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 122, 27) }
```

Border

The CSS property to change the border of an element to Yxy 16.3254, 0.3697, 0.5171 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(93, 122, 27) }
```

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

```
.border{ border-color:rgb(93, 122, 27) }
```

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

Here you see how a box with a 4 pixel rgb(93, 122, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 122, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 122, 27);  
box-shadow:4px 4px 4px 4px rgb(93, 122,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3254, 0.3697, 0.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 122, 27) }
```

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

```
.background{ background-color: rgb(93, 122,  
27) }
```

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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