

Converting Colors

$Y_{xy}(16.2847, 0.3672, 0.5227)$

Have a look what the booklet for
Yxy(16.2847, 0.3672, 0.5227)
contains.

Yxy(16.1587, 0.3672, 0.5232)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.1587, 0.3672, 0.5232)

Conversions

Conversions Part 1

Format	Color
Hex	5A7A18
RGB	90, 122, 24
RGB Percent	35%, 48%, 9%
CMY	0.6471, 0.5216, 0.9059
CMYK	0.26, 0.00, 0.80, 0.52
HSL	80°, 67%, 29%
HSV	80°, 80%, 48%
XYZ	11.3407, 16.1587, 3.3849
YIQ	101.2600, 12.3860, -37.2620

Conversions

Conversions Part 2

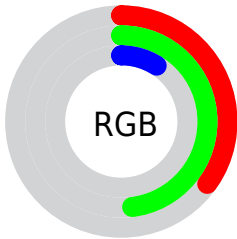
Format	Color
R _Y B	24, 122, 56
Decimal	5929496
CIE Lab	47.18, -26.18, 46.05
CIE LCh	47, 52.971, 119.624
Yxy	16.1587, 0.3672, 0.5232
Android (android.graphics.Color)	4284119576 (0xFF5A7A18)
YUV	101.2600, -38.0892, -9.8750
Hunter-Lab	40.1979, -19.9874, 23.1459

Details


The Yxy color **16.1587, 0.3672, 0.5232** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.8991, 0.2022, 0.1072**, and the grayscale version is **13.1830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0214, 0.3608, 0.4777**, and **5.2162, 0.3499, 0.5603** is the 20% darker color. If you saturate the color by 10%, you get **15.9251, 0.3666, 0.5374**, and if you desaturate by 10%, it is **16.4272, 0.3654, 0.5047**.

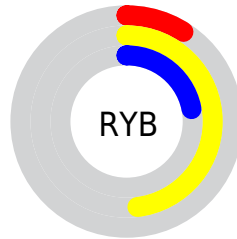
Distribution



 Red (35%)

 Green (48%)

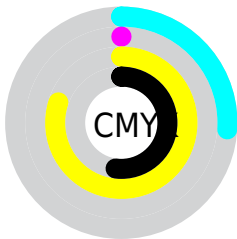
 Blue (9%)




 Red (9%)

 Yellow (48%)

 Blue (22%)

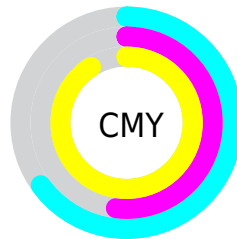


 Cyan (26%)

 Magenta (0%)

 Yellow (80%)

 Black (52%)



 Cyan (65%)


 Magenta (52%)

 Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1587, 0.3672, 0.5232 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 16.1587, 0.3672, 0.5232 by changing the saturation by 10% instead.


 16.1587, 0.3672,
0.5232


 16.1587, 0.3672,
0.5232


 230.2764, 0.3429,
0.4074

 9.6365, 0.3680,
0.5571


 36.8735, 0.3609,
0.4767


 5.1586, 0.3736,
0.6195

 51.8349, 0.3575,
0.4605

 2.3406, 0.3413,
0.6587

 70.3782, 0.3544,
0.4473

 0.7951, 0.1278,
0.8722

 92.8877, 0.3516,
0.4365


 0.0000, 0.0000,
0.0000


 119.7479, 0.3490,
0.4274


 151.3431, 0.3468,


0.4197


 188.0578, 0.3448,
0.4131


 16.1587, 0.3672,
0.5232


 16.1587, 0.3672,
0.5232


 15.9251, 0.3666,
0.5374

 16.4272, 0.3654,
0.5047

 15.7210, 0.3648,
0.5486

 16.7314, 0.3615,
0.4825

 17.0744, 0.3557,
0.4578

 17.4584, 0.3484,
0.4317

 17.8855, 0.3401,
0.4050

■ 18.3576, 0.3312,
0.3788

■ 18.8763, 0.3221,
0.3535

■ 19.4433, 0.3130,
0.3298

■ 20.0601, 0.3042,
0.3077

Harmonies

Analogous

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



16.1587, 0.4540, 0.4758



16.1587, 0.3672, 0.5232



16.1587, 0.2719, 0.4963

Triad

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



16.1587, 0.3672, 0.5232



16.1587, 0.1448, 0.2079



16.1587, 0.4356, 0.2689

Complementary

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



16.1587, 0.3672, 0.5232



2.8991, 0.2022, 0.1072

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.



16.1587, 0.3277, 0.2165



16.1587, 0.3672, 0.5232



16.1587, 0.1715, 0.1811

Square

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



16.1587, 0.3672, 0.5232



16.1587, 0.1505, 0.2760



16.1587, 0.2324, 0.1856



16.1587, 0.5069, 0.3338

Rectangle

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



16.1587, 0.3672, 0.5232



16.1587, 0.2158, 0.4292



16.1587, 0.2324, 0.1856



16.1587, 0.4010, 0.2495

Sweetspot

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



16.1594, 0.3672, 0.5232



31.9321, 0.3351, 0.3898



6.9391, 0.5253, 0.3813



7.2470, 0.3376, 0.3974



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.



16.1594, 0.3672, 0.5232



27.7237, 0.3647, 0.5457



14.4773, 0.3133, 0.5614



4.5715, 0.3210, 0.3505



16.5462, 0.3646, 0.5487



78.4512, 0.3619, 0.5509

Inverse Universe

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



2.8991, 0.2022, 0.1072



3.4468, 0.1791, 0.0784



5.0035, 0.2857, 0.1497



3.9512, 0.3040, 0.3072



1.9468, 0.1766, 0.0747



8.8704, 0.1719, 0.0721

Previews

White Background



This preview shows how the Yxy color 16.1587, 0.3672, 0.5232 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 16.1587, 0.3672, 0.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

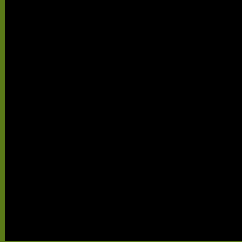
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1587, 0.3672, 0.5232

Background



This preview shows how black text looks on a background with the Yxy color 16.1587, 0.3672, 0.5232.



This preview shows how white text looks on a background with the Yxy color 16.1587, 0.3672, 0.5232.

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

16.1587, 0.3672, 0.5232

Protanopia

16.0781, 0.4318, 0.4777

Deuteranopia

15.9878, 0.4532, 0.4464



Tritanopia

16.2314, 0.2862, 0.3105

Trichromacy



Original Color

16.1587, 0.3672, 0.5232

Protanomaly

16.0594, 0.4071, 0.4953

Deuteranomaly

15.8146, 0.4213, 0.4745

Tritanomaly

15.9521, 0.3223, 0.3951

Monochromacy



Original Color

16.1587, 0.3672, 0.5232

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.9597, 0.3417, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1587, 0.3672, 0.5232 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(90, 122, 24)` looks like.

```
.text, #text, p{  
    color:rgb(90, 122, 24)  
}
```

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(90, 122, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 122, 24) }
```

Border

The CSS property to change the border of an element to Yxy 16.1587, 0.3672, 0.5232 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(90, 122, 24) }
```

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

```
.border{ border-color:rgb(90, 122, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 122, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 122, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 122, 24);  
box-shadow:4px 4px 4px 4px rgb(90, 122,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1587, 0.3672, 0.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 122, 24) }
```

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

```
.background{ background-color: rgb(90, 122,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor