

Converting Colors

$Y_{xy}(16.3899, 0.3625, 0.5138)$

Have a look what the booklet for
Yxy(16.3899, 0.3625, 0.5138)
contains.

Yxy(16.4439, 0.3620, 0.5149) 3

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Color

Yxy(16.4439, 0.3620, 0.5149)

Conversions

Conversions Part 1	
Format	Color
Hex	5A7B20
RGB	90, 123, 32
RGB Percent	35%, 48%, 13%
CMY	0.6470, 0.5176, 0.8745
CMYK	0.27, 0.00, 0.74, 0.52
HSL	82°, 59%, 30%
HSV	82°, 74%, 48%
XYZ	11.5609, 16.4439, 3.9313
YIQ	102.7590, 9.5430, -35.2970

Conversions

Conversions Part 2

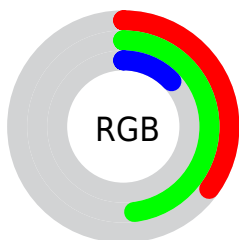
Format	Color
RYB	32, 123, 65
Decimal	5929760
CIELab	47.55, -26.19, 43.47
CIELCh	48, 50.751, 121.073
Yxy	16.4439, 0.3620, 0.5149
Android (android.graphics.Color)	4284119840 (0xFF5A7B20)
YUV	102.7590, -34.8842, -11.1896
Hunter-Lab	40.5511, -20.0751, 22.6377

Details

The Yxy color **16.4439, 0.3620, 0.5149** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.5871, 0.2166, 0.1239**, and the grayscale version is **13.5895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5148, 0.3558, 0.4698**, and **5.3487, 0.3488, 0.5613** is the 20% darker color. If you saturate the color by 10%, you get **16.1728, 0.3624, 0.5326**, and if you desaturate by 10%, it is **16.7549, 0.3594, 0.4933**.

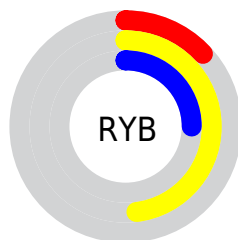
Distribution



Red (35%)

Green (48%)

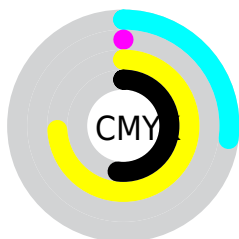
Blue (13%)



Red (13%)

Yellow (48%)

Blue (25%)

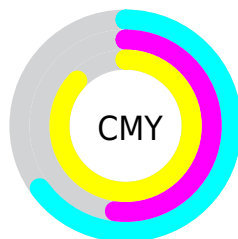


Cyan (27%)

Magenta (0%)

Yellow (74%)

Black (52%)



Cyan (65%)


Magenta (52%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4439, 0.3620, 0.5149 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 16.4439, 0.3620, 0.5149 by changing the saturation by 10% instead.


 16.4439, 0.3620,
0.5149


 16.4439, 0.3620,
0.5149


231.9470, 0.3398,
0.4036


 9.8388, 0.3631,
0.5484


 37.3671, 0.3560,
0.4698

 5.2922, 0.3650,
0.6028


 52.4541, 0.3530,
0.4542


 2.4197, 0.3429,
0.6571

 71.1371, 0.3501,
0.4417

 0.8360, 0.1565,
0.8435


 93.8006, 0.3476,
0.4313


 0.0000, 0.0000,
0.0000


 120.8289, 0.3453,
0.4226

 152.6065, 0.3433,


0.4153


 189.5177, 0.3415,
0.4090


 16.4439, 0.3620,
0.5149


 16.4439, 0.3620,
0.5149


 16.1728, 0.3624,
0.5326


 16.7549, 0.3594,
0.4933


 15.9357, 0.3605,
0.5459

 17.1063, 0.3548,
0.4687

 15.8031, 0.3590,
0.5531

 17.5013, 0.3486,
0.4424

 17.9420, 0.3413,
0.4154

 18.4304, 0.3332,
0.3886

■ 18.9685, 0.3247,
0.3627

■ 19.5580, 0.3161,
0.3383

■ 20.2006, 0.3077,
0.3155

■ 20.8978, 0.2996,
0.2946

Harmonies

Analogous

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



16.4439, 0.4460, 0.4741



16.4439, 0.3620, 0.5149



16.4439, 0.2704, 0.4836

Triad

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



16.4439, 0.3620, 0.5149



16.4439, 0.1513, 0.2110



16.4439, 0.4344, 0.2745

Complementary

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



16.4439, 0.3620, 0.5149



3.5871, 0.2166, 0.1239

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.



16.4439, 0.3324, 0.2228



16.4439, 0.3620, 0.5149



16.4439, 0.1788, 0.1862

Square

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



16.4439, 0.3620, 0.5149



16.4439, 0.1556, 0.2749



16.4439, 0.2396, 0.1917



16.4439, 0.4998, 0.3380

Rectangle

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



16.4439, 0.3620, 0.5149



16.4439, 0.2170, 0.4186



16.4439, 0.2396, 0.1917



16.4439, 0.4020, 0.2555

Sweetspot

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



16.4446, 0.3620, 0.5149



33.1367, 0.3320, 0.3848



7.9657, 0.4982, 0.3870



7.7569, 0.3338, 0.3905



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.



16.4446, 0.3620, 0.5149



28.6494, 0.3612, 0.5425



14.8433, 0.3122, 0.5480



4.5647, 0.3204, 0.3505



16.3448, 0.3590, 0.5532



77.4727, 0.3559, 0.5556

Inverse Universe

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



3.5871, 0.2166, 0.1239



4.2669, 0.1926, 0.0903



5.7370, 0.2943, 0.1617



3.9577, 0.3045, 0.3073



2.0442, 0.1818, 0.0775



9.3080, 0.1769, 0.0748

Previews

White Background



This preview shows how the Yxy color 16.4439, 0.3620, 0.5149 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 16.4439, 0.3620, 0.5149 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 16.4439, 0.3620, 0.5149

Background



This preview shows how black text looks on a background with the Yxy color 16.4439, 0.3620, 0.5149.



This preview shows how white text looks on a background with the Yxy color 16.4439, 0.3620, 0.5149.

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

16.4439, 0.3620, 0.5149

Protanopia

16.3346, 0.4257, 0.4720

Deuteranopia

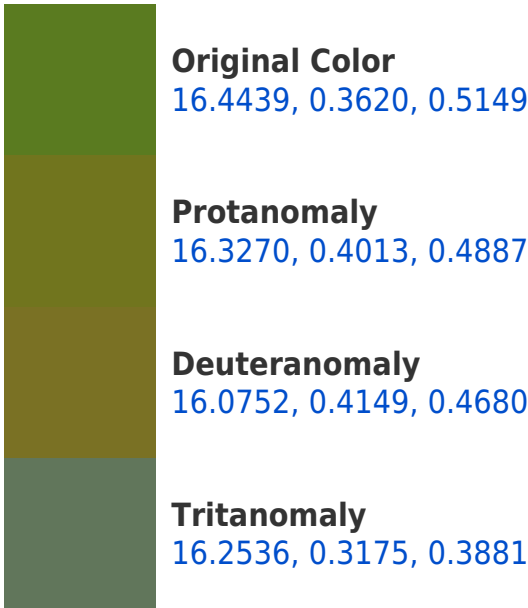
16.3246, 0.4473, 0.4397



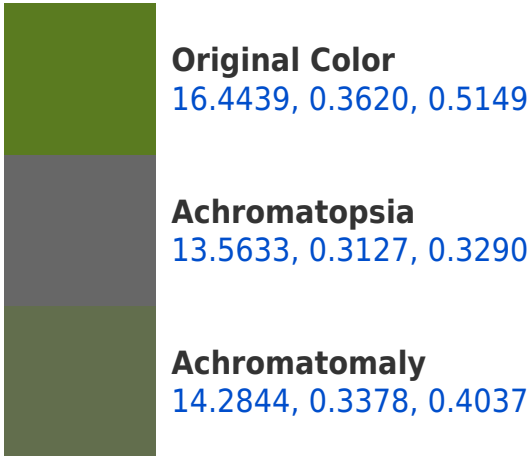
Tritanopia

16.4834, 0.2852, 0.3106

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4439, 0.3620, 0.5149 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, 123, 32)` looks like.

```
.text, #text, p{  
    color:rgb(90, 123, 32)  
}
```


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, 123, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 123, 32) }
```

Border

The CSS property to change the border of an element to Yxy 16.4439, 0.3620, 0.5149 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, 123, 32) }
```


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

```
.border{ border-color:rgb(90, 123, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 123, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 123, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 123, 32);  
box-shadow:4px 4px 4px 4px rgb(90, 123,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4439, 0.3620, 0.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 123, 32) }
```

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

```
.background{ background-color: rgb(90, 123,  
32) }
```

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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