

Converting Colors

$Y_{xy}(16.1393, 0.3582, 0.6406)$

Have a look what the booklet for
Yxy(16.1393, 0.3582, 0.6406)
contains.

Yxy(16.3681, 0.3336, 0.5733)	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(16.3681, 0.3336, 0.5733)

Conversions

Conversions Part 1

Format	Color
Hex	3B8000
RGB	59, 128, 0
RGB Percent	23%, 50%, 0%
CMY	0.7685, 0.4980, 0.9999
CMYK	0.54, 0.00, 1.00, 0.50
HSL	92°, 100%, 25%
HSV	92°, 100%, 50%
XYZ	9.5245, 16.3681, 2.6581
YIQ	92.7770, -0.0360, -54.4360

Conversions

Conversions Part 2

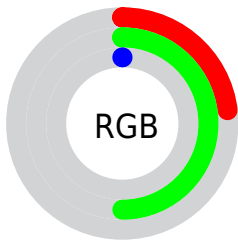
Format	Color
RYB	0, 128, 69
Decimal	3899392
CIELab	47.45, -41.27, 51.38
CIELCh	47, 65.904, 128.768
Yxy	16.3681, 0.3336, 0.5733
Android (android.graphics.Color)	4282089472 (0xFF3B8000)
YUV	92.7770, -45.7391, -29.6224
Hunter-Lab	40.4575, -28.7782, 24.4249

Details

The Yxy color **16.3681, 0.3336, 0.5733** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.8242, 0.2131, 0.0948**, and the grayscale version is **11.0035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4035, 0.3380, 0.5140**, and **5.4488, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.3682, 0.3336, 0.5733**, and if you desaturate by 10%, it is **16.6224, 0.3377, 0.5595**.

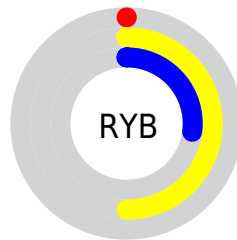
Distribution



Red (23%)

Green (50%)

Blue (0%)



Red (0%)

Yellow (50%)

Blue (27%)

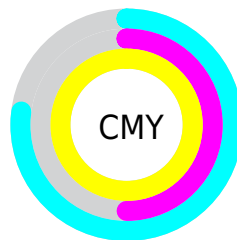


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (77%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3681, 0.3336, 0.5733 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 16.3681, 0.3336, 0.5733 by changing the saturation by 10% instead.


 16.3681, 0.3336,
0.5733


 16.3681, 0.3336,
0.5733


231.5041, 0.3329,
0.4250


 9.7850, 0.3245,
0.6173


 37.2361, 0.3384,
0.5132


 5.2566, 0.3106,
0.6894

 52.2897, 0.3383,
0.4923

 2.3986, 0.2569,
0.7431

 70.9357, 0.3377,
0.4755

 0.8252, 0.0000,
1.0000


 93.5584, 0.3368,
0.4617


 0.0000, 0.0000,
0.0000


 120.5422, 0.3359,
0.4502


 152.2715, 0.3349,


0.4405


 189.1306, 0.3339,
0.4321

 16.3681, 0.3336,
0.5733

 16.3681, 0.3336,
0.5733


 16.3682, 0.3336,
0.5733

 16.6224, 0.3377,
0.5595

 16.9207, 0.3407,
0.5420

 17.2743, 0.3418,
0.5197

 17.6873, 0.3409,
0.4936

 18.1630, 0.3384,
0.4652

■ 18.7048, 0.3346,
0.4360

■ 19.3155, 0.3298,
0.4070

■ 19.9979, 0.3243,
0.3791

■ 20.7544, 0.3186,
0.3530

Harmonies

Analogous

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



16.3681, 0.4421, 0.5204



16.3681, 0.3336, 0.5733



16.3681, 0.2257, 0.5093

Triad

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



16.3681, 0.3336, 0.5733



16.3681, 0.1232, 0.1704



16.3681, 0.4984, 0.2763

Complementary

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



16.3681, 0.3336, 0.5733



2.8242, 0.2131, 0.0948

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.



16.3681, 0.3703, 0.2121



16.3681, 0.3336, 0.5733



16.3681, 0.1634, 0.1543

Square

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



16.3681, 0.3336, 0.5733



16.3681, 0.1169, 0.2297



16.3681, 0.2453, 0.1693



16.3681, 0.5578, 0.3501

Rectangle

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



16.3681, 0.3336, 0.5733



16.3681, 0.1688, 0.4060



16.3681, 0.2453, 0.1693



16.3681, 0.4600, 0.2533

Sweetspot

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



16.3688, 0.3336, 0.5733



33.9281, 0.3301, 0.4090



8.7574, 0.5268, 0.4199



7.8516, 0.3319, 0.4192



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.3688, 0.3336, 0.5733



28.7356, 0.3320, 0.5746



15.4474, 0.2991, 0.5967



4.9083, 0.3180, 0.3508



16.2316, 0.3336, 0.5733



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.8242, 0.2131, 0.0948



4.8839, 0.2109, 0.0935



6.0382, 0.3292, 0.1587



4.3169, 0.3070, 0.3073



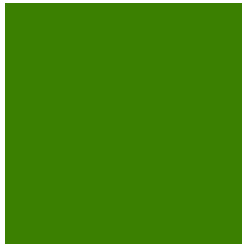
2.8000, 0.2131, 0.0947



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3681, 0.3336, 0.5733 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 16.3681, 0.3336, 0.5733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

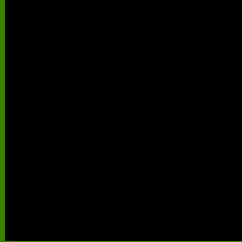
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3681, 0.3336, 0.5733

Background



This preview shows how black text looks on a background with the Yxy color 16.3681, 0.3336, 0.5733.



This preview shows how white text looks on a background with the Yxy color 16.3681, 0.3336, 0.5733.

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

16.3681, 0.3336, 0.5733

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0454, 0.4588, 0.4509



Tritanopia

16.3564, 0.2561, 0.3075

Trichromacy



Original Color

16.3681, 0.3336, 0.5733

Protanomaly

15.7816, 0.3965, 0.5233

Deuteranomaly

15.4546, 0.4092, 0.4990

Tritanomaly

15.8304, 0.2952, 0.4244

Monochromacy



Original Color

16.3681, 0.3336, 0.5733

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.3732, 0.3365, 0.4460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3681, 0.3336, 0.5733 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(59, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 128, 0)  
}
```

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(59, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3681, 0.3336, 0.5733 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(59, 128, 0) }
```

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

```
.border{ border-color:rgb(59, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(59, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 128, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3681, 0.3336, 0.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 128, 0) }
```

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

```
.background{ background-color: rgb(59, 128,  
0) }
```

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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