

Converting Colors

$Y_{xy}(11.6569, 0.3625, 0.5219)$

Have a look what the booklet for
Yxy(11.6569, 0.3625, 0.5219)
contains.

Yxy(11.6569, 0.3625, 0.5219)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.6569, 0.3625, 0.5219)

Conversions

Conversions Part 1

Format	Color
Hex	4B6916
RGB	75, 105, 22
RGB Percent	29%, 41%, 9%
CMY	0.7060, 0.5882, 0.9137
CMYK	0.29, 0.00, 0.79, 0.59
HSL	82°, 65%, 25%
HSV	82°, 79%, 41%
XYZ	8.0966, 11.6569, 2.5820
YIQ	86.5680, 8.7630, -32.1730

Conversions

Conversions Part 2

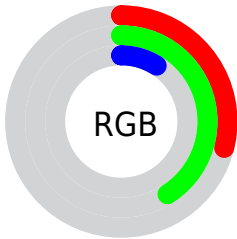
Format	Color
R _Y B	22, 105, 52
Decimal	4942102
CIE Lab	40.67, -24.25, 40.24
CIE LCh	41, 46.980, 121.071
Yxy	11.6569, 0.3625, 0.5219
Android (android.graphics.Color)	4283132182 (0xFF4B6916)
YUV	86.5680, -31.8320, -10.1451
Hunter-Lab	34.1422, -17.4186, 19.4158

Details

The Yxy color **11.6569, 0.3625, 0.5219** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.3245, 0.2109, 0.1152**, and the grayscale version is **9.5006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7568, 0.3570, 0.4707**, and **3.1459, 0.3408, 0.5676** is the 20% darker color. If you saturate the color by 10%, you get **11.4762, 0.3620, 0.5377**, and if you desaturate by 10%, it is **11.8642, 0.3608, 0.5020**.

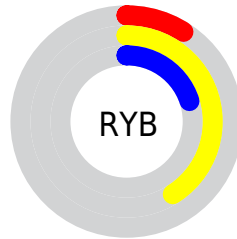
Distribution



Red (29%)

Green (41%)

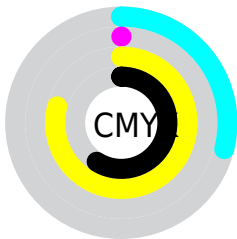
Blue (9%)



Red (9%)

Yellow (41%)

Blue (20%)

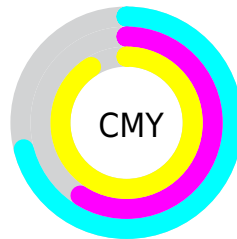


Cyan (29%)

Magenta (0%)

Yellow (79%)

Black (59%)



Cyan (71%)


Magenta (59%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6569, 0.3625, 0.5219 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 11.6569, 0.3625, 0.5219 by changing the saturation by 10% instead.


 11.6569, 0.3625,
0.5219


 11.6569, 0.3625,
0.5219


202.1205, 0.3391,
0.4012


 6.5105, 0.3628,
0.5611


 28.8687, 0.3563,
0.4711

 3.1579, 0.3658,
0.6342

 41.7028, 0.3529,
0.4541


 1.2147, 0.3039,
0.6961

 57.8683, 0.3499,
0.4407

 0.0737, 0.0000,
1.0000


 77.7496, 0.3472,
0.4297


 0.0000, 0.0000,
0.0000

 101.7311, 0.3448,
0.4207


 130.1971, 0.3427,


0.4132


 163.5321, 0.3408,
0.4067


 11.6569, 0.3625,
0.5219


 11.6569, 0.3625,
0.5219


 11.4762, 0.3620,
0.5377

 11.8642, 0.3608,
0.5020


 11.3135, 0.3603,
0.5510

 12.0987, 0.3570,
0.4789

 11.2986, 0.3601,
0.5522

 12.3624, 0.3515,
0.4537

 12.6570, 0.3447,
0.4273

 12.9839, 0.3370,
0.4007

■ 13.3443, 0.3288,
0.3748

■ 13.7396, 0.3203,
0.3501

■ 14.1708, 0.3119,
0.3269

■ 14.6390, 0.3038,
0.3054

Harmonies

Analogous

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



11.6569, 0.4493, 0.4779



11.6569, 0.3625, 0.5219



11.6569, 0.2682, 0.4905

Triad

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



11.6569, 0.3625, 0.5219



11.6569, 0.1467, 0.2069



11.6569, 0.4389, 0.2724

Complementary

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



11.6569, 0.3625, 0.5219



2.3245, 0.2109, 0.1152

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.



11.6569, 0.3328, 0.2195



11.6569, 0.3625, 0.5219



11.6569, 0.1748, 0.1819

Square

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



11.6569, 0.3625, 0.5219



11.6569, 0.1509, 0.2724



11.6569, 0.2370, 0.1877



11.6569, 0.5066, 0.3373

Rectangle

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



11.6569, 0.3625, 0.5219



11.6569, 0.2133, 0.4223



11.6569, 0.2370, 0.1877



11.6569, 0.4052, 0.2530

Sweetspot

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



11.6574, 0.3625, 0.5219



23.5200, 0.3334, 0.3893



5.4336, 0.5105, 0.3875



5.4707, 0.3356, 0.3962



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.



11.6574, 0.3625, 0.5219



20.2986, 0.3600, 0.5479



10.5103, 0.3113, 0.5573



3.5315, 0.3203, 0.3499



14.2830, 0.3594, 0.5528



72.2757, 0.3562, 0.5554

Inverse Universe

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



2.3245, 0.2109, 0.1152



2.7658, 0.1866, 0.0836



3.8978, 0.2930, 0.1563



3.0735, 0.3047, 0.3079



1.7929, 0.1823, 0.0778



8.6826, 0.1769, 0.0748

Previews

White Background



This preview shows how the Yxy color 11.6569, 0.3625, 0.5219 looks on a white background.

Color Contrast Check

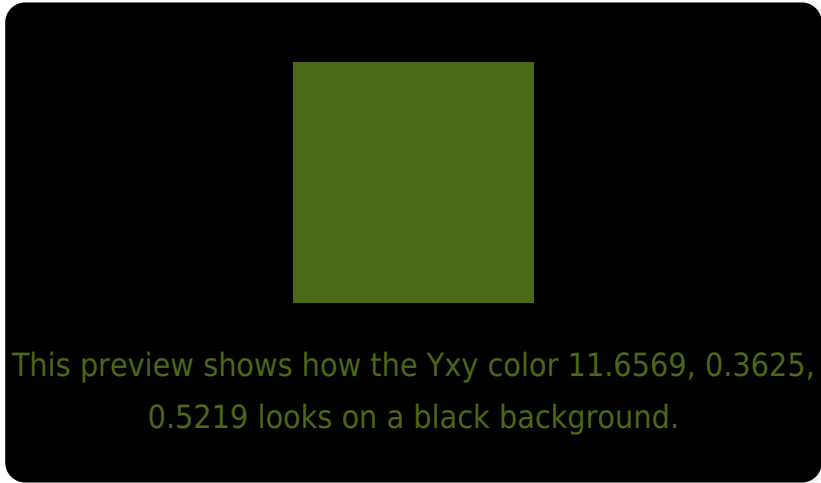
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 11.6569, 0.3625, 0.5219

Background



This preview shows how black text looks on a background with the Yxy color 11.6569, 0.3625, 0.5219.



This preview shows how white text looks on a background with the Yxy color 11.6569, 0.3625, 0.5219.

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

11.6569, 0.3625, 0.5219

Protanopia

11.6044, 0.4292, 0.4747

Deuteranopia

11.5639, 0.4495, 0.4439



Tritanopia

11.7073, 0.2838, 0.3101

Trichromacy



Original Color

11.6569, 0.3625, 0.5219

Protanomaly

11.4646, 0.4041, 0.4918

Deuteranomaly

11.3834, 0.4181, 0.4722

Tritanomaly

11.5647, 0.3182, 0.3950

Monochromacy



Original Color

11.6569, 0.3625, 0.5219

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.2033, 0.3401, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6569, 0.3625, 0.5219 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(75, 105, 22)` looks like.

```
.text, #text, p{  
  color:rgb(75, 105, 22)  
}
```

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(75, 105, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 105, 22) }
```

Border

The CSS property to change the border of an element to Yxy 11.6569, 0.3625, 0.5219 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(75, 105, 22) }
```

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

```
.border{ border-color:rgb(75, 105, 22) }
```

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

Here you see how a box with a 4 pixel rgb(75, 105, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 105, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 105, 22);  
box-shadow:4px 4px 4px 4px rgb(75, 105,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6569, 0.3625, 0.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 105, 22) }
```

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

```
.background{ background-color: rgb(75, 105,  
22) }
```

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