

Converting Colors

$Y_{xy}(14.6194, 0.3644, 0.4971)$

Have a look what the booklet for
Yxy(14.6194, 0.3644, 0.4971)
contains.

Yxy(14.5751, 0.3644, 0.4965)	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(14.5751, 0.3644, 0.4965)

Conversions

Conversions Part 1

Format	Color
Hex	5A7326
RGB	90, 115, 38
RGB Percent	35%, 45%, 15%
CMY	0.6471, 0.5490, 0.8510
CMYK	0.22, 0.00, 0.67, 0.55
HSL	79°, 50%, 30%
HSV	79°, 67%, 45%
XYZ	10.6972, 14.5751, 4.0834
YIQ	98.7470, 9.8170, -29.2470

Conversions

Conversions Part 2

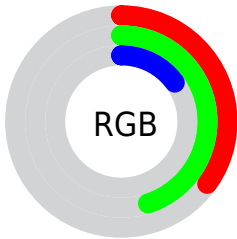
Format	Color
R _Y B	38, 115, 63
Decimal	5927718
CIE Lab	45.05, -21.73, 38.31
CIE LCh	45, 44.040, 119.560
Yxy	14.5751, 0.3644, 0.4965
Android (android.graphics.Color)	4284117798 (0xFF5A7326)
YUV	98.7470, -29.9483, -7.6711
Hunter-Lab	38.1773, -16.7950, 20.3826

Details

The Yxy color **14.5751, 0.3644, 0.4965** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.6813, 0.2233, 0.1408**, and the grayscale version is **12.4858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0763, 0.3561, 0.4546**, and **4.4857, 0.3598, 0.5525** is the 20% darker color. If you saturate the color by 10%, you get **14.3301, 0.3670, 0.5164**, and if you desaturate by 10%, it is **14.8538, 0.3597, 0.4735**.

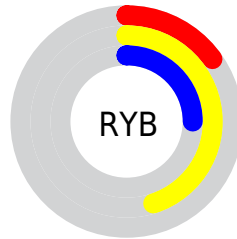
Distribution



Red (35%)

Green (45%)

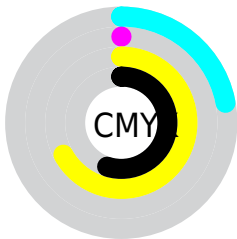
Blue (15%)



Red (15%)

Yellow (45%)

Blue (25%)

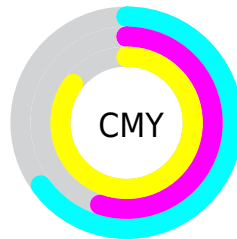


Cyan (22%)

Magenta (0%)

Yellow (67%)

Black (55%)



Cyan (65%)


Magenta (55%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5751, 0.3644, 0.4965 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 14.5751, 0.3644, 0.4965 by changing the saturation by 10% instead.


 14.5751, 0.3644,
0.4965


 14.5751, 0.3644,
0.4965


 220.7798, 0.3388,
0.3946


 8.5217, 0.3678,
0.5286


 34.1060, 0.3563,
0.4545


 4.4306, 0.3733,
0.5819

 48.3524, 0.3527,
0.4402

 1.9172, 0.3584,
0.6416

 66.0985, 0.3496,
0.4288

 0.5587, 0.0011,
0.9989

 87.7288, 0.3468,
0.4194

 0.0000, 0.0000,
0.0000

 113.6277, 0.3444,
0.4117

 144.1796, 0.3423,

0.4051

179.7688, 0.3404,
0.3995

■ 14.5751, 0.3644,
0.4965

■ 14.5751, 0.3644,
0.4965

■ 14.3301, 0.3670,
0.5164

■ 14.8538, 0.3597,
0.4735

■ 14.1144, 0.3674,
0.5322

■ 15.1663, 0.3533,
0.4483

■ 13.9234, 0.3659,
0.5444

■ 15.5150, 0.3456,
0.4220

■ 13.8675, 0.3654,
0.5481

■ 15.9017, 0.3371,
0.3956

■ 16.3279, 0.3281,
0.3698

■ 16.7951, 0.3190,
0.3452

■ 17.3047, 0.3100,
0.3221

■ 17.8580, 0.3013,
0.3008

■ 18.4562, 0.2930,
0.2812

Harmonies

Analogous

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



14.5751, 0.4400, 0.4612



14.5751, 0.3644, 0.4965



14.5751, 0.2798, 0.4699

Triad

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



14.5751, 0.3644, 0.4965



14.5751, 0.1629, 0.2236



14.5751, 0.4187, 0.2769

Complementary

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



14.5751, 0.3644, 0.4965



3.6813, 0.2233, 0.1408

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.



14.5751, 0.3264, 0.2292



14.5751, 0.3644, 0.4965



14.5751, 0.1873, 0.1979

Square

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



14.5751, 0.3644, 0.4965



14.5751, 0.1692, 0.2853



14.5751, 0.2427, 0.2013



14.5751, 0.4806, 0.3363

Rectangle

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



14.5751, 0.3644, 0.4965



14.5751, 0.2296, 0.4143



14.5751, 0.2427, 0.2013



14.5751, 0.3892, 0.2593

Sweetspot

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



14.5757, 0.3644, 0.4965



28.9561, 0.3314, 0.3789



7.2725, 0.4775, 0.3789



6.8672, 0.3334, 0.3847



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.5757, 0.3644, 0.4965



25.4543, 0.3675, 0.5251



13.1353, 0.3162, 0.5256



4.2095, 0.3209, 0.3503



15.8410, 0.3651, 0.5483



76.7175, 0.3622, 0.5506

Inverse Universe

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



3.6813, 0.2233, 0.1408



4.4211, 0.2001, 0.1044



5.3845, 0.2920, 0.1720



3.6423, 0.3040, 0.3074



1.8611, 0.1766, 0.0746



8.6514, 0.1717, 0.0720

Previews

White Background



This preview shows how the Yxy color 14.5751, 0.3644, 0.4965 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 14.5751, 0.3644, 0.4965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

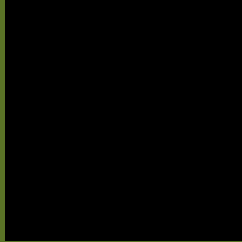
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5751, 0.3644, 0.4965

Background



This preview shows how black text looks on a background with the Yxy color 14.5751, 0.3644, 0.4965.



This preview shows how white text looks on a background with the Yxy color 14.5751, 0.3644, 0.4965.

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

14.5751, 0.3644, 0.4965

Protanopia

14.5647, 0.4181, 0.4619

Deuteranopia

14.3873, 0.4388, 0.4322



Tritanopia

14.6387, 0.2911, 0.3119

Trichromacy



Original Color

14.5751, 0.3644, 0.4965

Protanomaly

14.4736, 0.3969, 0.4749

Deuteranomaly

14.2501, 0.4117, 0.4551

Tritanomaly

14.5603, 0.3210, 0.3809

Monochromacy



Original Color

14.5751, 0.3644, 0.4965

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.1258, 0.3367, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5751, 0.3644, 0.4965 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, 115, 38)` looks like.

```
.text, #text, p{  
    color:rgb(90, 115, 38)  
}
```

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, 115, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 115, 38) }
```

Border

The CSS property to change the border of an element to Yxy 14.5751, 0.3644, 0.4965 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, 115, 38) }
```

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

```
.border{ border-color:rgb(90, 115, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 115, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 115, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 115, 38);  
box-shadow:4px 4px 4px 4px rgb(90, 115,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5751, 0.3644, 0.4965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 115, 38) }
```

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

```
.background{ background-color: rgb(90, 115,  
38) }
```

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