

Converting Colors

$Yxy(26.8046, 0.3730, 0.5332)$

Have a look what the booklet for
Yxy(26.8046, 0.3730, 0.5332)
contains.

Yxy(26.7965, 0.3728, 0.5334)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7965, 0.3728, 0.5334)

Conversions

Conversions Part 1

Format	Color
Hex	739A11
RGB	115, 154, 17
RGB Percent	45%, 60%, 7%
CMY	0.5489, 0.3961, 0.9336
CMYK	0.25, 0.00, 0.89, 0.40
HSL	77°, 80%, 34%
HSV	77°, 89%, 60%
XYZ	18.7284, 26.7965, 4.7122
YIQ	126.7210, 20.7330, -50.8750

Conversions

Conversions Part 2

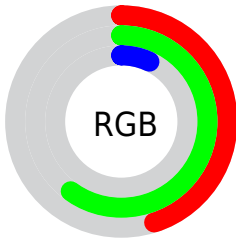
Format	Color
RYB	17, 154, 56
Decimal	7576081
CIELab	58.79, -31.40, 58.72
CIELCh	59, 66.589, 118.132
Yxy	26.7965, 0.3728, 0.5334
Android (android.graphics.Color)	4285766161 (0xFF739A11)
YUV	126.7210, -54.0925, -10.2793
Hunter-Lab	51.7653, -26.0090, 30.8385

Details

The Yxy color **26.7965, 0.3728, 0.5334** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.5701, 0.1820, 0.0848**, and the grayscale version is **21.3056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8089, 0.3678, 0.4920**, and **10.6926, 0.3533, 0.5577** is the 20% darker color. If you saturate the color by 10%, you get **26.4708, 0.3708, 0.5430**, and if you desaturate by 10%, it is **27.1676, 0.3728, 0.5199**.

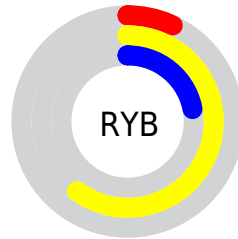
Distribution



Red (45%)

Green (60%)

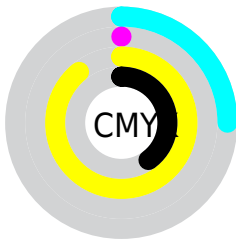
Blue (7%)



Red (7%)

Yellow (60%)

Blue (22%)

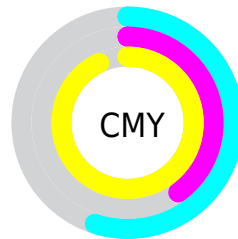


Cyan (25%)

Magenta (0%)

Yellow (89%)

Black (40%)



Cyan (55%)


Magenta (40%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7965, 0.3728, 0.5334 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 26.7965, 0.3728, 0.5334 by changing the saturation by 10% instead.


 26.7965, 0.3728,
0.5334


 26.7965, 0.3728,
0.5334


286.6705, 0.3497,
0.4213


 17.4204, 0.3732,
0.5616


 54.5571, 0.3676,
0.4916


 10.5347, 0.3702,
0.5975


 73.7105, 0.3645,
0.4761

 5.7549, 0.3582,
0.6418

 96.8918, 0.3615,
0.4631

 2.6966, 0.3196,
0.6804

 124.4854, 0.3587,
0.4521

 0.9755, 0.1394,
0.8606

 156.8756, 0.3562,
0.4427

 0.0000, 0.0000,
0.0000

 194.4470, 0.3538,

0.4346

237.5838, 0.3516,
0.4275

26.7965, 0.3728,
0.5334

26.7965, 0.3728,
0.5334

26.4708, 0.3708,
0.5430

27.1676, 0.3728,
0.5199

26.4394, 0.3706,
0.5440

27.5911, 0.3704,
0.5019

28.0731, 0.3657,
0.4801

28.6180, 0.3590,
0.4556

29.2296, 0.3508,
0.4295

■ 29.9113, 0.3415,
0.4027

■ 30.6665, 0.3317,
0.3762

■ 31.4980, 0.3217,
0.3507

■ 32.4086, 0.3117,
0.3267

Harmonies

Analogous

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



26.7965, 0.4633, 0.4778



26.7965, 0.3728, 0.5334



26.7965, 0.2730, 0.5123

Triad

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



26.7965, 0.3728, 0.5334



26.7965, 0.1368, 0.2035



26.7965, 0.4376, 0.2622

Complementary

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



26.7965, 0.3728, 0.5334



3.5701, 0.1820, 0.0848

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.



26.7965, 0.3224, 0.2089



26.7965, 0.3728, 0.5334



26.7965, 0.1627, 0.1746

Square

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



26.7965, 0.3728, 0.5334



26.7965, 0.1439, 0.2767



26.7965, 0.2238, 0.1782



26.7965, 0.5163, 0.3288

Rectangle

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



26.7965, 0.3728, 0.5334



26.7965, 0.2136, 0.4424



26.7965, 0.2238, 0.1782



26.7965, 0.4003, 0.2424

Sweetspot

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



26.7977, 0.3728, 0.5334



54.5286, 0.3401, 0.3988



9.7161, 0.5667, 0.3713



12.2493, 0.3432, 0.4072



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



26.7977, 0.3728, 0.5334



47.9271, 0.3696, 0.5447



23.7471, 0.3125, 0.5793



7.1346, 0.3219, 0.3513



21.5595, 0.3710, 0.5437



0.3404, 0.3937, 0.5256

Inverse Universe

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



3.5701, 0.1820, 0.0848



5.1167, 0.1678, 0.0698



7.0395, 0.2735, 0.1338



6.1072, 0.3030, 0.3063



2.3497, 0.1702, 0.0711



0.0518, 0.2138, 0.0952

Previews

White Background



This preview shows how the Yxy color 26.7965, 0.3728, 0.5334 looks on a white 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

Black Background



This preview shows how the Yxy color 26.7965, 0.3728, 0.5334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

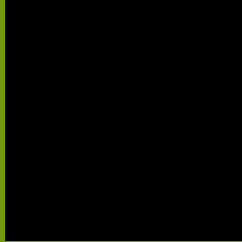
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7965, 0.3728, 0.5334

Background



This preview shows how black text looks on a background with the Yxy color 26.7965, 0.3728, 0.5334.



This preview shows how white text looks on a background with the Yxy color 26.7965, 0.3728, 0.5334.

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

26.7965, 0.3728, 0.5334

Protanopia

26.4472, 0.4381, 0.4850

Deuteranopia

26.5016, 0.4603, 0.4532



Tritanopia

26.6786, 0.2872, 0.3091

Trichromacy



Original Color

26.7965, 0.3728, 0.5334

Protanomaly

26.4291, 0.4132, 0.5035

Deuteranomaly

25.9989, 0.4277, 0.4825

Tritanomaly

26.1724, 0.3288, 0.4041

Monochromacy



Original Color

26.7965, 0.3728, 0.5334

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.7904, 0.3485, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7965, 0.3728, 0.5334 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(115, 154, 17)` looks like.

```
.text, #text, p{  
    color:rgb(115, 154, 17)  
}
```

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(115, 154, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 154, 17) }
```

Border

The CSS property to change the border of an element to Yxy 26.7965, 0.3728, 0.5334 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(115, 154, 17) }
```

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

```
.border{ border-color:rgb(115, 154, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 154, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 154, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 154, 17);  
box-shadow:4px 4px 4px 4px rgb(115, 154,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7965, 0.3728, 0.5334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 154, 17) }
```

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

```
.background{ background-color: rgb(115,  
154, 17) }
```

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