

Converting Colors

$Y_{xy}(11.7584, 0.2918, 0.5552)$

Have a look what the booklet for
Yxy(11.7584, 0.2918, 0.5552)
contains.

Yxy(11.7584, 0.2918, 0.5552)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7584, 0.2918, 0.5552)

Conversions

Conversions Part 1

Format	Color
Hex	0B701F
RGB	11, 112, 31
RGB Percent	4%, 44%, 12%
CMY	0.9567, 0.5608, 0.8784
CMYK	0.90, 0.00, 0.72, 0.56
HSL	132°, 82%, 24%
HSV	132°, 90%, 44%
XYZ	6.1799, 11.7584, 3.2403
YIQ	72.5670, -34.1950, -46.6030

Conversions

Conversions Part 2

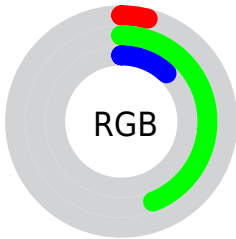
Format	Color
RYB	11, 95, 112
Decimal	749599
CIELab	40.83, -43.90, 36.00
CIELCh	41, 56.774, 140.643
Yxy	11.7584, 0.2918, 0.5552
Android (android.graphics.Color)	4278939679 (0xFF0B701F)
YUV	72.5670, -20.4925, -53.9943
Hunter-Lab	34.2905, -27.8386, 18.4007

Details

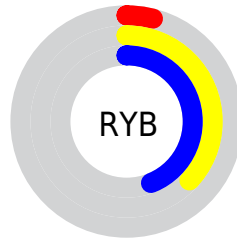
The Yxy color **11.7584, 0.2918, 0.5552** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.4585, 0.3682, 0.1879**, and the grayscale version is **6.6266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1092, 0.3037, 0.4900**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.6470, 0.2928, 0.5741**, and if you desaturate by 10%, it is **11.9150, 0.2909, 0.5321**.

Distribution



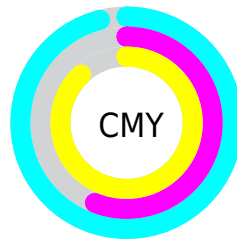
- Red (4%)
- Green (44%)
- Blue (12%)



- Red (4%)
- Yellow (37%)
- Blue (44%)



- Cyan (90%)
- Magenta (0%)
- Yellow (72%)
- Black (56%)




- Cyan (96%)
- Magenta (56%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7584, 0.2918, 0.5552 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 11.7584, 0.2918, 0.5552 by changing the saturation by 10% instead.


 11.7584, 0.2918,
0.5552


 11.7584, 0.2918,
0.5552


202.7992, 0.3123,
0.4076


 6.5794, 0.2776,
0.6095


 29.0543, 0.3040,
0.4900


 3.2005, 0.2647,
0.7353

 41.9400, 0.3068,
0.4693


 1.2373, 0.0520,
0.9480

 58.1634, 0.3087,
0.4532

 0.0918, 0.0000,
1.0000


 78.1088, 0.3099,
0.4404


 0.0000, 0.0000,
0.0000

 102.1607, 0.3108,
0.4299

 130.7035, 0.3114,


0.4212

 164.1215, 0.3119,
0.4139


 11.7584, 0.2918,
0.5552


 11.7584, 0.2918,
0.5552

 11.6470, 0.2928,
0.5741

 11.9150, 0.2909,
0.5321

 12.1407, 0.2911,
0.5057

 12.4434, 0.2925,
0.4774

 12.8294, 0.2948,
0.4487

 13.3042, 0.2978,
0.4208

■ 13.8731, 0.3012,
0.3945

■ 14.5408, 0.3050,
0.3704

■ 15.3118, 0.3088,
0.3486

■ 16.1901, 0.3127,
0.3293

Harmonies

Analogous

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



11.7584, 0.3999, 0.5433



11.7584, 0.2918, 0.5552



11.7584, 0.1942, 0.4454

Triad

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



11.7584, 0.2918, 0.5552



11.7584, 0.1394, 0.1646



11.7584, 0.5252, 0.3066

Complementary

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



11.7584, 0.2918, 0.5552



4.4585, 0.3682, 0.1879

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.



11.7584, 0.4208, 0.2387



11.7584, 0.2918, 0.5552



11.7584, 0.1941, 0.1614

Square

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



11.7584, 0.2918, 0.5552



11.7584, 0.1205, 0.2043



11.7584, 0.2917, 0.1872



11.7584, 0.5480, 0.3821

Rectangle

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



11.7584, 0.2918, 0.5552



11.7584, 0.1502, 0.3431



11.7584, 0.2917, 0.1872



11.7584, 0.4977, 0.2829

Sweetspot

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



11.7589, 0.2918, 0.5552



24.6404, 0.3021, 0.3885



13.9657, 0.3881, 0.5202



5.8518, 0.3012, 0.3949



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.7589, 0.2918, 0.5552



20.4453, 0.2938, 0.5778



12.2396, 0.2529, 0.4193



3.7730, 0.3093, 0.3463



13.4616, 0.2931, 0.5751



66.9568, 0.2952, 0.5827

Inverse Universe

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



4.4585, 0.3682, 0.1879



7.3268, 0.3770, 0.1851



3.8597, 0.5265, 0.2807



3.4427, 0.3164, 0.3123



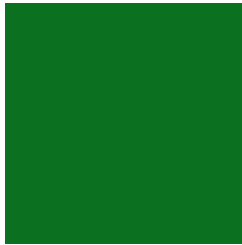
4.8297, 0.3758, 0.1844



23.9356, 0.3795, 0.1864

Previews

White Background



This preview shows how the Yxy color 11.7584, 0.2918, 0.5552 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 11.7584, 0.2918, 0.5552

Background



This preview shows how black text looks on a background with the Yxy color 11.7584, 0.2918, 0.5552.



This preview shows how white text looks on a background with the Yxy color 11.7584, 0.2918, 0.5552.

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

11.7584, 0.2918, 0.5552

Protanopia

11.6330, 0.4239, 0.4667

Deuteranopia

11.5506, 0.4372, 0.4310



Tritanopia

11.8997, 0.2388, 0.3088

Trichromacy



Original Color

11.7584, 0.2918, 0.5552



Protanomaly

11.0031, 0.3581, 0.5111



Deuteranomaly

10.7565, 0.3649, 0.4853



Tritanomaly

11.6897, 0.2587, 0.3988

Monochromacy



Original Color

11.7584, 0.2918, 0.5552



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.8000, 0.2965, 0.4215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7584, 0.2918, 0.5552 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(11, 112, 31)` looks like.

```
.text, #text, p{  
    color:rgb(11, 112, 31)  
}
```

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(11, 112, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 112, 31) }
```

Border

The CSS property to change the border of an element to Yxy 11.7584, 0.2918, 0.5552 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(11, 112, 31) }
```

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

```
.border{ border-color:rgb(11, 112, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 112, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 112, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 112, 31);  
box-shadow:4px 4px 4px 4px rgb(11, 112,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7584, 0.2918, 0.5552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 112, 31) }
```

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

```
.background{ background-color: rgb(11, 112,  
31) }
```

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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