

Converting Colors

$Y_{xy}(11.7405, 0.3152, 0.5774)$

Have a look what the booklet for
Yxy(11.7405, 0.3152, 0.5774)
contains.

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Color

Yxy(11.7287, 0.3148, 0.5776)

Conversions

Conversions Part 1

Format	Color
Hex	226F09
RGB	34, 111, 9
RGB Percent	13%, 44%, 4%
CMY	0.8668, 0.5647, 0.9647
CMYK	0.69, 0.00, 0.92, 0.56
HSL	105°, 85%, 24%
HSV	105°, 92%, 44%
XYZ	6.3923, 11.7287, 2.1849
YIQ	76.3490, -13.1500, -48.0460

Conversions

Conversions Part 2

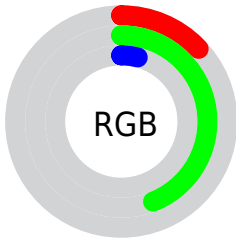
Format	Color
R_{YB}	9, 111, 86
Decimal	2256649
CIE _{Lab}	40.78, -41.41, 43.55
CIE _{LCh}	41, 60.099, 133.560
Yxy	11.7287, 0.3148, 0.5776
Android (android.graphics.Color)	4280446729 (0xFF226F09)
YUV	76.3490, -33.2031, -37.1401
Hunter-Lab	34.2472, -26.6152, 20.1904

Details

The Yxy color **11.7287, 0.3148, 0.5776** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.3233, 0.2675, 0.1306**, and the grayscale version is **7.3568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1452, 0.3239, 0.5099**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.6054, 0.3123, 0.5902**, and if you desaturate by 10%, it is **11.9204, 0.3182, 0.5594**.

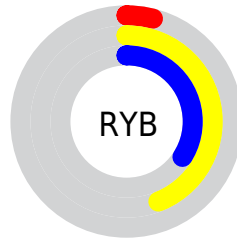
Distribution



Red (13%)

Green (44%)

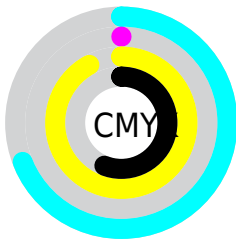
Blue (4%)



Red (4%)

Yellow (44%)

Blue (34%)

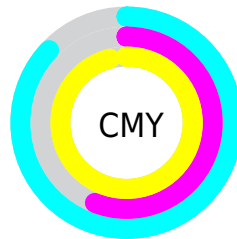


Cyan (69%)

Magenta (0%)

Yellow (92%)

Black (56%)



Cyan (87%)


Magenta (56%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7287, 0.3148, 0.5776 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 11.7287, 0.3148, 0.5776 by changing the saturation by 10% instead.


 11.7287, 0.3148,
0.5776


 11.7287, 0.3148,
0.5776


202.6008, 0.3241,
0.4178


 6.5592, 0.3021,
0.6336


 29.0000, 0.3238,
0.5088


 3.1880, 0.2771,
0.7229

 41.8706, 0.3251,
0.4863


 1.2307, 0.0912,
0.9088

 58.0771, 0.3255,
0.4686

 0.0865, 0.0000,
1.0000

 78.0038, 0.3255,
0.4544

 0.0000, 0.0000,
0.0000

 102.0351, 0.3252,
0.4427

 130.5555, 0.3249,


0.4330

 163.9493, 0.3245,
0.4248

 11.7287, 0.3148,
0.5776


 11.7287, 0.3148,
0.5776


 11.6054, 0.3123,
0.5902

 11.9204, 0.3182,
0.5594

 12.1668, 0.3206,
0.5353

 12.4725, 0.3219,
0.5070

 12.8416, 0.3221,
0.4763

 13.2774, 0.3214,
0.4447

■ 13.7831, 0.3200,
0.4139

■ 14.3619, 0.3180,
0.3847

■ 15.0164, 0.3157,
0.3578

■ 15.7494, 0.3132,
0.3334

Harmonies

Analogous

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



11.7287, 0.4263, 0.5358



11.7287, 0.3148, 0.5776



11.7287, 0.2083, 0.4905

Triad

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



11.7287, 0.3148, 0.5776



11.7287, 0.1249, 0.1631



11.7287, 0.5177, 0.2866

Complementary

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



11.7287, 0.3148, 0.5776



3.3233, 0.2675, 0.1306

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.



11.7287, 0.3937, 0.2196



11.7287, 0.3148, 0.5776



11.7287, 0.1715, 0.1525

Square

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



11.7287, 0.3148, 0.5776



11.7287, 0.1132, 0.2143



11.7287, 0.2618, 0.1723



11.7287, 0.5623, 0.3620

Rectangle

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



11.7287, 0.3148, 0.5776



11.7287, 0.1557, 0.3807



11.7287, 0.2618, 0.1723



11.7287, 0.4823, 0.2629

Sweetspot

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



11.7292, 0.3148, 0.5776



24.9893, 0.3194, 0.4045



9.9759, 0.4595, 0.4633



5.9221, 0.3200, 0.4148



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.



11.7292, 0.3148, 0.5776



20.7253, 0.3108, 0.5914



11.5465, 0.2888, 0.5473



3.7990, 0.3150, 0.3505



13.6630, 0.3119, 0.5906



67.7132, 0.3088, 0.5930

Inverse Universe

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



3.3233, 0.2675, 0.1306



5.3559, 0.2608, 0.1210



4.2389, 0.3843, 0.1960



3.4144, 0.3102, 0.3080



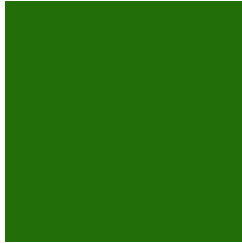
3.5522, 0.2619, 0.1216



17.2785, 0.2586, 0.1198

Previews

White Background



This preview shows how the Yxy color 11.7287, 0.3148, 0.5776 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 11.7287, 0.3148, 0.5776 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 11.7287, 0.3148, 0.5776

Background



This preview shows how black text looks on a background with the Yxy color 11.7287, 0.3148, 0.5776.



This preview shows how white text looks on a background with the Yxy color 11.7287, 0.3148, 0.5776.

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

11.7287, 0.3148, 0.5776

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5454, 0.4531, 0.4485



Tritanopia

11.7111, 0.2462, 0.3065

Trichromacy



Original Color

11.7287, 0.3148, 0.5776

Protanomaly

11.0633, 0.3854, 0.5288

Deuteranomaly

10.9062, 0.3951, 0.5008

Tritanomaly

11.4444, 0.2774, 0.4154

Monochromacy



Original Color

11.7287, 0.3148, 0.5776

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.3848, 0.3211, 0.4402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7287, 0.3148, 0.5776 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(34, 111, 9)` looks like.

```
.text, #text, p{  
    color:rgb(34, 111, 9)  
}
```

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(34, 111, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 111, 9) }
```

Border

The CSS property to change the border of an element to Yxy 11.7287, 0.3148, 0.5776 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(34, 111, 9) }
```

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

```
.border{ border-color:rgb(34, 111, 9) }
```

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

Here you see how a box with a 4 pixel rgb(34, 111, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 111, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 111, 9);  
box-shadow:4px 4px 4px 4px rgb(34, 111, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7287, 0.3148, 0.5776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 111, 9) }
```

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

```
.background{ background-color: rgb(34, 111,  
9) }
```

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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