

Converting Colors

$Y_{xy}(11.7801, 0.3077, 0.5939)$

Have a look what the booklet for
Yxy(11.7801, 0.3077, 0.5939)
contains.

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Color

Yxy(11.7371, 0.3078, 0.5938)

Conversions

Conversions Part 1

Format	Color
Hex	147000
RGB	20, 112, 0
RGB Percent	8%, 44%, 0%
CMY	0.9212, 0.5608, 1.0000
CMYK	0.82, 0.00, 1.00, 0.56
HSL	109°, 100%, 22%
HSV	109°, 100%, 44%
XYZ	6.0840, 11.7371, 1.9450
YIQ	71.7240, -18.8800, -54.3360

Conversions

Conversions Part 2

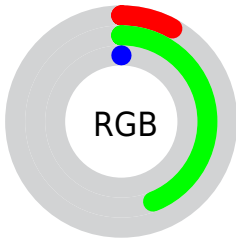
Format	Color
RYB	0, 112, 92
Decimal	1339392
CIELab	40.80, -44.80, 45.64
CIELCh	41, 63.952, 134.465
Yxy	11.7371, 0.3078, 0.5938
Android (android.graphics.Color)	4279529472 (0xFF147000)
YUV	71.7240, -35.3599, -45.3619
Hunter-Lab	34.2595, -28.2549, 20.6156

Details

The Yxy color **11.7371, 0.3078, 0.5938** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.4415, 0.2779, 0.1305**, and the grayscale version is **6.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0755, 0.3193, 0.5205**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7375, 0.3078, 0.5938**, and if you desaturate by 10%, it is **11.8779, 0.3103, 0.5786**.

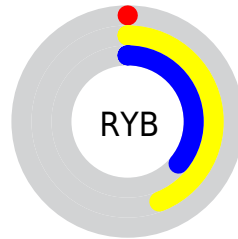
Distribution



Red (8%)

Green (44%)

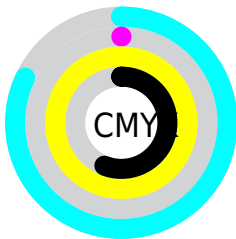
Blue (0%)



Red (0%)

Yellow (44%)

Blue (36%)

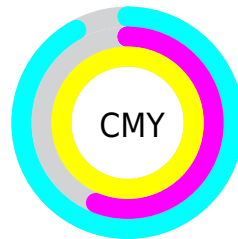


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (92%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7371, 0.3078, 0.5938 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 11.7371, 0.3078, 0.5938 by changing the saturation by 10% instead.


 11.7371, 0.3078,
0.5938


 11.7371, 0.3078,
0.5938


 202.6570, 0.3228,
0.4233


 6.5649, 0.2931,
0.6550


 29.0154, 0.3199,
0.5206


 3.1915, 0.2599,
0.7401

 41.8903, 0.3219,
0.4966

 1.2325, 0.0332,
0.9668

 58.1015, 0.3229,
0.4777

 0.0880, 0.0000,
1.0000


 78.0335, 0.3233,
0.4625


 0.0000, 0.0000,
0.0000


 102.0707, 0.3234,
0.4500


 130.5974, 0.3233,


0.4396

 163.9980, 0.3231,
0.4308


 11.7371, 0.3078,
0.5938


 11.7371, 0.3078,
0.5938


 11.7375, 0.3078,
0.5938

 11.8779, 0.3103,
0.5786

 12.0685, 0.3132,
0.5592

 12.3214, 0.3154,
0.5338

 12.6415, 0.3168,
0.5043

 13.0334, 0.3175,
0.4724

■ 13.5012, 0.3174,
0.4402

■ 14.0487, 0.3167,
0.4090

■ 14.6793, 0.3156,
0.3797

■ 15.3965, 0.3142,
0.3530

Harmonies

Analogous

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



11.7371, 0.4250, 0.5475



11.7371, 0.3078, 0.5938



11.7371, 0.1982, 0.4975

Triad

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



11.7371, 0.3078, 0.5938



11.7371, 0.1181, 0.1545



11.7371, 0.5330, 0.2851

Complementary

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



11.7371, 0.3078, 0.5938



3.4415, 0.2779, 0.1305

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.



11.7371, 0.4026, 0.2160



11.7371, 0.3078, 0.5938



11.7371, 0.1669, 0.1452

Square

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



11.7371, 0.3078, 0.5938



11.7371, 0.1048, 0.2048



11.7371, 0.2620, 0.1665



11.7371, 0.5749, 0.3622

Rectangle

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



11.7371, 0.3078, 0.5938



11.7371, 0.1452, 0.3777



11.7371, 0.2620, 0.1665



11.7371, 0.4964, 0.2608

Sweetspot

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



11.7376, 0.3078, 0.5938



24.5991, 0.3168, 0.4114



11.0070, 0.4541, 0.4777



5.8315, 0.3170, 0.4215



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.



11.7376, 0.3078, 0.5938



20.5783, 0.3066, 0.5948



11.7122, 0.2855, 0.5477



3.7893, 0.3141, 0.3505



13.5616, 0.3074, 0.5941



67.2788, 0.3050, 0.5961

Inverse Universe

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



3.4415, 0.2779, 0.1305



5.9980, 0.2768, 0.1298



3.9742, 0.4156, 0.2063



3.4247, 0.3111, 0.3081



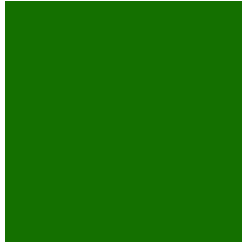
3.9695, 0.2776, 0.1303



19.4352, 0.2751, 0.1289

Previews

White Background



This preview shows how the Yxy color 11.7371, 0.3078, 0.5938 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

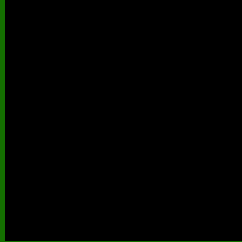
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7371, 0.3078, 0.5938

Background



This preview shows how black text looks on a background with the Yxy color 11.7371, 0.3078, 0.5938.



This preview shows how white text looks on a background with the Yxy color 11.7371, 0.3078, 0.5938.

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

11.7371, 0.3078, 0.5938

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.6131, 0.4555, 0.4486



Tritanopia

11.7710, 0.2406, 0.3063

Trichromacy



Original Color

11.7371, 0.3078, 0.5938

Protanomaly

11.0392, 0.3773, 0.5386

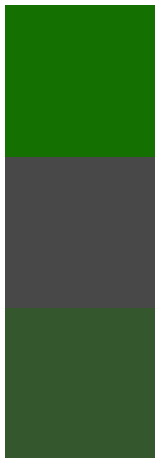
Deuteranomaly

10.8430, 0.3877, 0.5124

Tritanomaly

11.4146, 0.2728, 0.4286

Monochromacy



Original Color

11.7371, 0.3078, 0.5938

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.7705, 0.3169, 0.4587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7371, 0.3078, 0.5938 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(20, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 112, 0)  
}
```

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(20, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.7371, 0.3078, 0.5938 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(20, 112, 0) }
```

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

```
.border{ border-color:rgb(20, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 112, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7371, 0.3078, 0.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 112, 0) }
```

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

```
.background{ background-color: rgb(20, 112,  
0) }
```

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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