

Converting Colors

$Y_{xy}(10.1782, 0.3007, 0.5995)$

Have a look what the booklet for
Yxy(10.1782, 0.3007, 0.5995)
contains.

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Color

Yxy(10.1161, 0.3008, 0.5994)

Conversions

Conversions Part 1

Format	Color
Hex	026900
RGB	2, 105, 0
RGB Percent	1%, 41%, 0%
CMY	0.9921, 0.5882, 1.0000
CMYK	0.98, 0.00, 1.00, 0.59
HSL	119°, 100%, 21%
HSV	119°, 100%, 41%
XYZ	5.0766, 10.1161, 1.6843
YIQ	62.2330, -27.6830, -54.4910

Conversions

Conversions Part 2

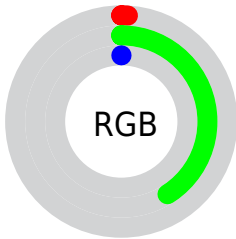
Format	Color
RYB	0, 105, 103
Decimal	157952
CIELab	38.05, -44.67, 43.36
CIELCh	38, 62.255, 135.858
Yxy	10.1161, 0.3008, 0.5994
Android (android.graphics.Color)	4278348032 (0xFF026900)
YUV	62.2330, -30.6809, -52.8243
Hunter-Lab	31.8058, -27.1693, 19.1243

Details

The Yxy color **10.1161, 0.3008, 0.5994** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.9031, 0.3164, 0.1517**, and the grayscale version is **4.9019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8753, 0.3148, 0.5207**, and **2.8283, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.1166, 0.3008, 0.5994**, and if you desaturate by 10%, it is **10.2070, 0.3015, 0.5844**.

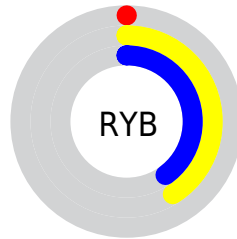
Distribution



Red (1%)

Green (41%)

Blue (0%)



Red (0%)

Yellow (41%)

Blue (40%)

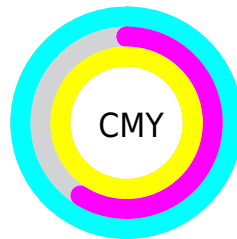


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (99%)


Magenta (59%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1161, 0.3008, 0.5994 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 10.1161, 0.3008, 0.5994 by changing the saturation by 10% instead.


 10.1161, 0.3008,
0.5994


 10.1161, 0.3008,
0.5994


 191.4987, 0.3203,
0.4216


 5.4760, 0.2855,
0.6716

 26.0136, 0.3152,
0.5213


 2.5292, 0.2423,
0.7577


 38.0399, 0.3178,
0.4962

 0.8912, 0.0000,
1.0000

 53.2970, 0.3192,
0.4767


 0.0000, 0.0000,
0.0000


 72.1693, 0.3199,
0.4611


 95.0412, 0.3203,
0.4484


 122.2971, 0.3204,


0.4379


 154.3215, 0.3204,
0.4291


 10.1161, 0.3008,
0.5994


 10.1161, 0.3008,
0.5994


 10.1166, 0.3008,
0.5994

 10.2070, 0.3015,
0.5844

 10.3353, 0.3026,
0.5654

 10.5270, 0.3040,
0.5396

 10.7888, 0.3055,
0.5090

 11.1267, 0.3070,
0.4759

■ 11.5460, 0.3084,
0.4423

■ 12.0513, 0.3097,
0.4100

■ 12.6472, 0.3109,
0.3801

■ 13.3378, 0.3119,
0.3530

Harmonies

Analogous

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



10.1161, 0.4214, 0.5566



10.1161, 0.3008, 0.5994



10.1161, 0.1909, 0.4940

Triad

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



10.1161, 0.3008, 0.5994



10.1161, 0.1168, 0.1504



10.1161, 0.5421, 0.2871

Complementary

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



10.1161, 0.3008, 0.5994



3.9031, 0.3164, 0.1517

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.



10.1161, 0.4115, 0.2169



10.1161, 0.3008, 0.5994



10.1161, 0.1677, 0.1429

Square

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



10.1161, 0.3008, 0.5994



10.1161, 0.1017, 0.1985



10.1161, 0.2666, 0.1657



10.1161, 0.5789, 0.3650

Rectangle

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



10.1161, 0.3008, 0.5994



10.1161, 0.1391, 0.3699



10.1161, 0.2666, 0.1657



10.1161, 0.5061, 0.2626

Sweetspot

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



10.1166, 0.3008, 0.5994



21.4940, 0.3096, 0.4127



12.4086, 0.4249, 0.5008



4.9676, 0.3092, 0.4224



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.1166, 0.3008, 0.5994



18.1080, 0.3006, 0.5995



10.3254, 0.2730, 0.5028



3.4473, 0.3120, 0.3504



12.8071, 0.3007, 0.5994



65.2141, 0.3003, 0.5998

Inverse Universe

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



3.9031, 0.3164, 0.1517



6.9825, 0.3163, 0.1516



3.2889, 0.4718, 0.2373



3.1611, 0.3134, 0.3084



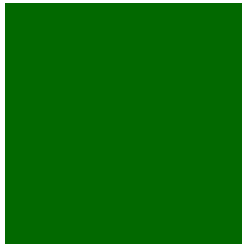
4.9400, 0.3163, 0.1516



25.1257, 0.3161, 0.1515

Previews

White Background



This preview shows how the Yxy color 10.1161, 0.3008, 0.5994 looks on a white background.

Color Contrast Check

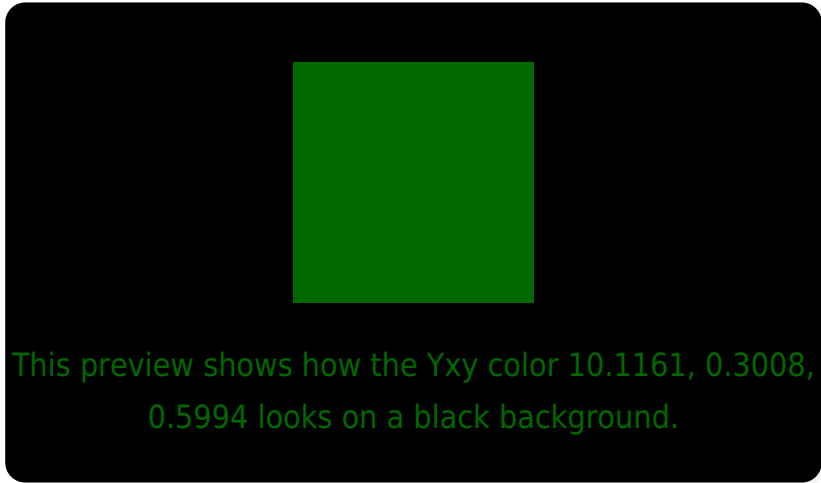
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1161, 0.3008, 0.5994

Background



This preview shows how black text looks on a background with the Yxy color 10.1161, 0.3008, 0.5994.



This preview shows how white text looks on a background with the Yxy color 10.1161, 0.3008, 0.5994.

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

10.1161, 0.3008, 0.5994

Protanopia

10.0790, 0.4386, 0.4899

Deuteranopia

10.0696, 0.4539, 0.4476



Tritanopia

10.3114, 0.2389, 0.3076

Trichromacy



Original Color

10.1161, 0.3008, 0.5994

Protanomaly

9.3082, 0.3679, 0.5460

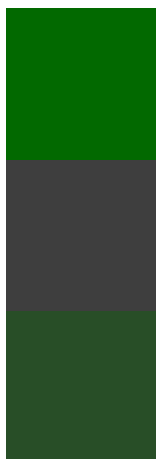
Deuteranomaly

9.1052, 0.3779, 0.5166

Tritanomaly

9.9738, 0.2677, 0.4326

Monochromacy



Original Color

10.1161, 0.3008, 0.5994

Achromatopsia

4.8172, 0.3127, 0.3290

Achromatomaly

6.0464, 0.3077, 0.4691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1161, 0.3008, 0.5994 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(2, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 105, 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(2, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 105, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1161, 0.3008, 0.5994 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(2, 105, 0) }
```

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

```
.border{ border-color:rgb(2, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 105, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 105, 0); box-shadow:4px  
4px 4px 4px rgb(2, 105, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1161, 0.3008, 0.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 105, 0) }
```

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

```
.background{ background-color: rgb(2, 105,  
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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