

Converting Colors

$Y_{xy}(11.2683, 0.3104, 0.5918)$

Have a look what the booklet for
Yxy(11.2683, 0.3104, 0.5918)
contains.

Yxy(11.3461, 0.3104, 0.5917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.3461, 0.3104, 0.5917)

Conversions

Conversions Part 1

Format	Color
Hex	186E00
RGB	24, 110, 0
RGB Percent	9%, 43%, 0%
CMY	0.9060, 0.5686, 0.9998
CMYK	0.78, 0.00, 1.00, 0.57
HSL	107°, 100%, 22%
HSV	107°, 100%, 43%
XYZ	5.9521, 11.3461, 1.8773
YIQ	71.7460, -15.9460, -52.4420

Conversions

Conversions Part 2

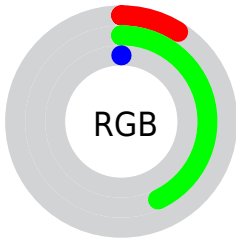
Format	Color
RYB	0, 110, 86
Decimal	1601024
CIELab	40.16, -43.50, 45.16
CIELCh	40, 62.702, 133.932
Yxy	11.3461, 0.3104, 0.5917
Android (android.graphics.Color)	4279791104 (0xFF186E00)
YUV	71.7460, -35.3708, -41.8732
Hunter-Lab	33.6840, -27.4055, 20.2744

Details

The Yxy color **11.3461, 0.3104, 0.5917** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.1093, 0.2689, 0.1255**, and the grayscale version is **6.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4414, 0.3219, 0.5193**, and **3.3375, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.3461, 0.3104, 0.5918**, and if you desaturate by 10%, it is **11.4933, 0.3133, 0.5761**.

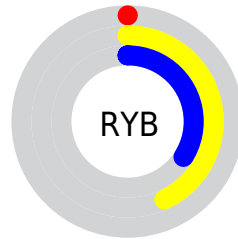
Distribution



Red (9%)

Green (43%)

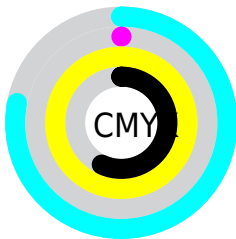
Blue (0%)



Red (0%)

Yellow (43%)

Blue (34%)

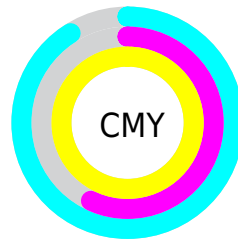


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (91%)


Magenta (57%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3461, 0.3104, 0.5917 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 11.3461, 0.3104, 0.5917 by changing the saturation by 10% instead.


 11.3461, 0.3104,
0.5917


 11.3461, 0.3104,
0.5917


 200.0269, 0.3237,
0.4221


 6.3001, 0.2965,
0.6539


 28.2984, 0.3218,
0.5187


 3.0284, 0.2626,
0.7374

 40.9735, 0.3236,
0.4948

 1.1466, 0.0059,
0.9941

 56.9605, 0.3244,
0.4760

 0.0174, 0.0000,
1.0000

 76.6437, 0.3246,
0.4609


 0.0000, 0.0000,
0.0000


 100.4076, 0.3246,
0.4485


 128.6364, 0.3243,

0.4382


 161.7147, 0.3240,
0.4296

 11.3461, 0.3104,
0.5917


 11.3461, 0.3104,
0.5917


 11.3461, 0.3104,
0.5918

 11.4933, 0.3133,
0.5761

 11.6859, 0.3164,
0.5566

 11.9354, 0.3186,
0.5314

 12.2462, 0.3198,
0.5022

 12.6222, 0.3201,
0.4708

■ 13.0670, 0.3196,
0.4391

■ 13.5839, 0.3184,
0.4083

■ 14.1759, 0.3168,
0.3794

■ 14.8460, 0.3148,
0.3529

Harmonies

Analogous

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



11.3461, 0.4269, 0.5449



11.3461, 0.3104, 0.5917



11.3461, 0.2009, 0.4988

Triad

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



11.3461, 0.3104, 0.5917



11.3461, 0.1186, 0.1560



11.3461, 0.5296, 0.2843

Complementary

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



11.3461, 0.3104, 0.5917



3.1093, 0.2689, 0.1255

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.



11.3461, 0.3993, 0.2157



11.3461, 0.3104, 0.5917



11.3461, 0.1666, 0.1461

Square

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



11.3461, 0.3104, 0.5917



11.3461, 0.1060, 0.2072



11.3461, 0.2604, 0.1668



11.3461, 0.5733, 0.3611

Rectangle

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



11.3461, 0.3104, 0.5917



11.3461, 0.1475, 0.3805



11.3461, 0.2604, 0.1668



11.3461, 0.4927, 0.2601

Sweetspot

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



11.3466, 0.3104, 0.5917



23.7731, 0.3185, 0.4108



9.7099, 0.4650, 0.4689



5.4637, 0.3189, 0.4203



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.3466, 0.3104, 0.5917



19.8772, 0.3090, 0.5929



11.2436, 0.2888, 0.5595



3.7950, 0.3146, 0.3505



13.6174, 0.3099, 0.5922



67.5146, 0.3071, 0.5944

Inverse Universe

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



3.1093, 0.2689, 0.1255



5.4048, 0.2675, 0.1247



3.9054, 0.3978, 0.1966



3.4187, 0.3106, 0.3080



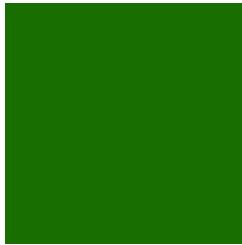
3.7206, 0.2684, 0.1252



18.1468, 0.2654, 0.1236

Previews

White Background



This preview shows how the Yxy color 11.3461, 0.3104, 0.5917 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

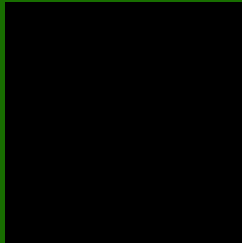
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3461, 0.3104, 0.5917

Background



This preview shows how black text looks on a background with the Yxy color 11.3461, 0.3104, 0.5917.



This preview shows how white text looks on a background with the Yxy color 11.3461, 0.3104, 0.5917.

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

11.3461, 0.3104, 0.5917

Protanopia

11.3102, 0.4394, 0.4893

Deuteranopia

11.3002, 0.4540, 0.4489



Tritanopia

11.3542, 0.2422, 0.3061

Trichromacy



Original Color

11.3461, 0.3104, 0.5917

Protanomaly

10.6921, 0.3814, 0.5354

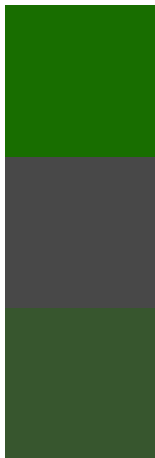
Deuteranomaly

10.4687, 0.3904, 0.5098

Tritanomaly

11.0295, 0.2748, 0.4267

Monochromacy



Original Color

11.3461, 0.3104, 0.5917

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.6651, 0.3204, 0.4551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3461, 0.3104, 0.5917 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(24, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 110, 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(24, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.3461, 0.3104, 0.5917 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(24, 110, 0) }
```

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

```
.border{ border-color:rgb(24, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(24, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3461, 0.3104, 0.5917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 110, 0) }
```

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

```
.background{ background-color: rgb(24, 110,  
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](#).

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