

Converting Colors

$Y_{xy}(12.7358, 0.2364, 0.6025)$

Have a look what the booklet for
Yxy(12.7358, 0.2364, 0.6025)
contains.

Yxy(13.7685, 0.2904, 0.5654)	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(13.7685, 0.2904, 0.5654)

Conversions

Conversions Part 1

Format	Color
Hex	00791E
RGB	0, 121, 30
RGB Percent	0%, 47%, 12%
CMY	0.9999, 0.5255, 0.8824
CMYK	1.00, 0.00, 0.75, 0.53
HSL	135°, 100%, 24%
HSV	135°, 100%, 47%
XYZ	7.0718, 13.7685, 3.5115
YIQ	74.4470, -42.9050, -53.9530

Conversions

Conversions Part 2

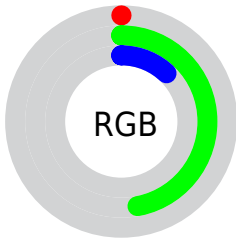
Format	Color
RYB	0, 97, 121
Decimal	31006
CIELab	43.90, -47.89, 39.61
CIELCh	44, 62.149, 140.403
Yxy	13.7685, 0.2904, 0.5654
Android (android.graphics.Color)	4278221086 (0xFF00791E)
YUV	74.4470, -21.9124, -65.2900
Hunter-Lab	37.1059, -30.9163, 20.3632

Details

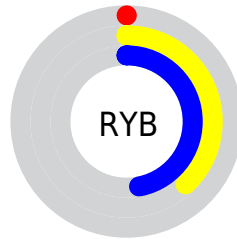
The Yxy color **13.7685, 0.2904, 0.5654** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.8221, 0.3923, 0.1935**, and the grayscale version is **6.9789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8588, 0.3034, 0.5004**, and **4.5065, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.7687, 0.2904, 0.5654**, and if you desaturate by 10%, it is **13.9014, 0.2888, 0.5455**.

Distribution



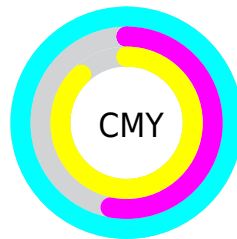
- Red (0%)
- Green (47%)
- Blue (12%)



- Red (0%)
- Yellow (38%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7685, 0.2904, 0.5654 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 13.7685, 0.2904, 0.5654 by changing the saturation by 10% instead.


 13.7685, 0.2904,
0.5654


 13.7685, 0.2904,
0.5654


215.7859, 0.3123,
0.4140


 7.9598, 0.2760,
0.6182


 32.6777, 0.3032,
0.4999


 4.0693, 0.2579,
0.7223

 46.5470, 0.3063,
0.4787


 1.7124, 0.1463,
0.8537

 63.8720, 0.3083,
0.4620

 0.4317, 0.0000,
1.0000


 85.0371, 0.3097,
0.4486


 0.0000, 0.0000,
0.0000


 110.4266, 0.3107,
0.4376


 140.4250, 0.3114,


0.4284

 175.4166, 0.3119,
0.4207


 13.7685, 0.2904,
0.5654


 13.7685, 0.2904,
0.5654


 13.7687, 0.2904,
0.5654

 13.9014, 0.2888,
0.5455

 14.0872, 0.2876,
0.5223

 14.3546, 0.2878,
0.4964

 14.7122, 0.2893,
0.4691

 15.1675, 0.2919,
0.4418

■ 15.7270, 0.2953,
0.4153

■ 16.3970, 0.2993,
0.3905

■ 17.1831, 0.3037,
0.3678

■ 18.0903, 0.3082,
0.3472

Harmonies

Analogous

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



13.7685, 0.4013, 0.5492



13.7685, 0.2904, 0.5654



13.7685, 0.1904, 0.4516

Triad

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



13.7685, 0.2904, 0.5654



13.7685, 0.1346, 0.1601



13.7685, 0.5323, 0.3042

Complementary

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



13.7685, 0.2904, 0.5654



4.8221, 0.3923, 0.1935

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.



13.7685, 0.4236, 0.2352



13.7685, 0.2904, 0.5654



13.7685, 0.1898, 0.1568

Square

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



13.7685, 0.2904, 0.5654



13.7685, 0.1155, 0.2004



13.7685, 0.2896, 0.1829



13.7685, 0.5553, 0.3807

Rectangle

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



13.7685, 0.2904, 0.5654



13.7685, 0.1454, 0.3441



13.7685, 0.2896, 0.1829



13.7685, 0.5038, 0.2802

Sweetspot

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



13.7691, 0.2904, 0.5654



29.2614, 0.2990, 0.3924



15.9908, 0.3800, 0.5364



6.5942, 0.2976, 0.4006



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.7691, 0.2904, 0.5654



24.6353, 0.2915, 0.5693



14.3924, 0.2484, 0.4143



4.4647, 0.3086, 0.3455



14.7531, 0.2905, 0.5660



70.2571, 0.2928, 0.5740

Inverse Universe

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



4.8221, 0.3923, 0.1935



8.6102, 0.3944, 0.1946



4.1716, 0.5787, 0.2962



4.0614, 0.3171, 0.3130



5.1647, 0.3926, 0.1936



24.4952, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 13.7685, 0.2904, 0.5654 looks on a white background.

Color Contrast Check

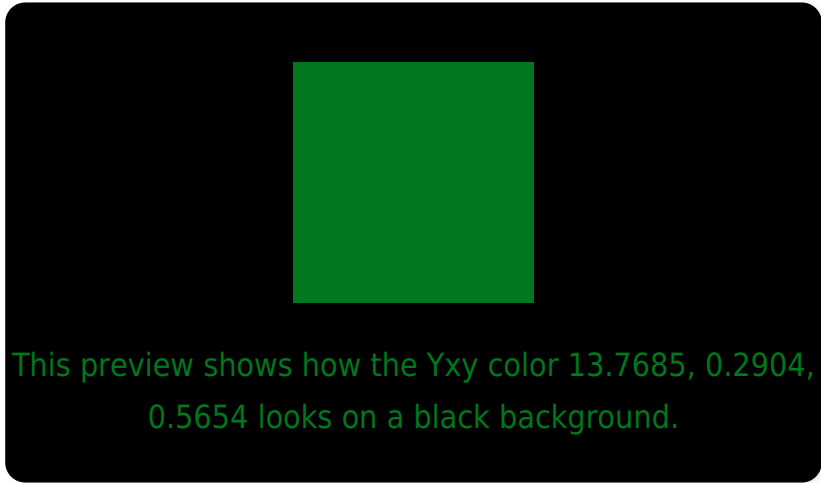
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7685, 0.2904, 0.5654

Background



This preview shows how black text looks on a background with the Yxy color 13.7685, 0.2904, 0.5654.



This preview shows how white text looks on a background with the Yxy color 13.7685, 0.2904, 0.5654.

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

13.7685, 0.2904, 0.5654

Protanopia

13.6882, 0.4255, 0.4721

Deuteranopia

13.5490, 0.4427, 0.4350



Tritanopia

13.8935, 0.2377, 0.3077

Trichromacy



Original Color

13.7685, 0.2904, 0.5654

Protanomaly

12.6868, 0.3536, 0.5217

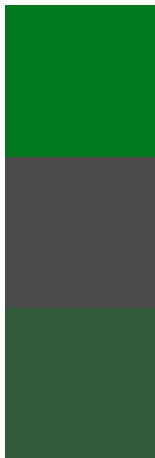
Deuteranomaly

12.2293, 0.3619, 0.4943

Tritanomaly

13.5191, 0.2560, 0.4003

Monochromacy



Original Color

13.7685, 0.2904, 0.5654

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

8.3920, 0.2927, 0.4327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7685, 0.2904, 0.5654 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(0, 121, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 30)  
}
```

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(0, 121, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 30) }
```

Border

The CSS property to change the border of an element to Yxy 13.7685, 0.2904, 0.5654 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(0, 121, 30) }
```

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

```
.border{ border-color:rgb(0, 121, 30) }
```

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

Here you see how a box with a 4 pixel rgb(0, 121, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7685, 0.2904, 0.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 30) }
```

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

```
.background{ background-color: rgb(0, 121,  
30) }
```

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