

Converting Colors

$Y_{xy}(12.4444, 0.3183, 0.5855)$

Have a look what the booklet for
Yxy(12.4444, 0.3183, 0.5855)
contains.

Yxy(12.4097, 0.3182, 0.5855)	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(12.4097, 0.3182, 0.5855)

Conversions

Conversions Part 1

Format	Color
Hex	247200
RGB	36, 114, 0
RGB Percent	14%, 45%, 0%
CMY	0.8589, 0.5529, 0.9998
CMYK	0.68, 0.00, 1.00, 0.55
HSL	101°, 100%, 22%
HSV	101°, 100%, 45%
XYZ	6.7443, 12.4097, 2.0411
YIQ	77.6820, -9.8940, -51.9900

Conversions

Conversions Part 2

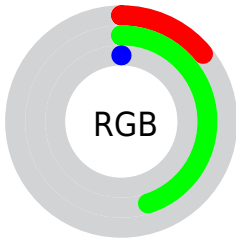
Format	Color
RYB	0, 114, 78
Decimal	2388480
CIELab	41.86, -42.40, 46.63
CIElCh	42, 63.023, 132.278
Yxy	12.4097, 0.3182, 0.5855
Android (android.graphics.Color)	4280578560 (0xFF247200)
YUV	77.6820, -38.2972, -36.5551
Hunter-Lab	35.2274, -27.4742, 21.2239

Details

The Yxy color **12.4097, 0.3182, 0.5855** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.8394, 0.2458, 0.1128**, and the grayscale version is **7.6302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3434, 0.3279, 0.5168**, and **3.7806, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.4095, 0.3182, 0.5856**, and if you desaturate by 10%, it is **12.5913, 0.3219, 0.5701**.

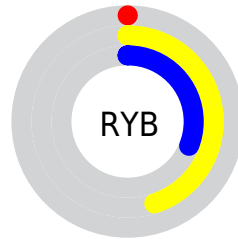
Distribution



Red (14%)

Green (45%)

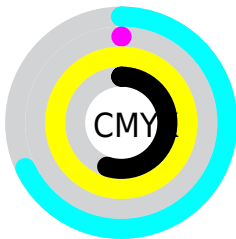
Blue (0%)



Red (0%)

Yellow (45%)

Blue (31%)

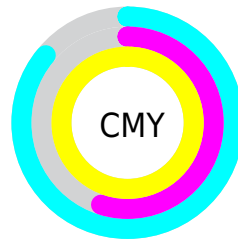


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (86%)


Magenta (55%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4097, 0.3182, 0.5855 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 12.4097, 0.3182, 0.5855 by changing the saturation by 10% instead.

 12.4097, 0.3182,
0.5855


 12.4097, 0.3182,
0.5855


 207.0991, 0.3266,
0.4225


 7.0233, 0.3057,
0.6413


 30.2391, 0.3273,
0.5164


 3.4767, 0.2782,
0.7218

 43.4510, 0.3284,
0.4934


 1.3854, 0.1332,
0.8668

 60.0401, 0.3287,
0.4752

 0.2059, 0.0000,
1.0000


 80.3910, 0.3286,
0.4605


 0.0000, 0.0000,
0.0000


 104.8879, 0.3282,
0.4484


 133.9153, 0.3277,


0.4383


 167.8575, 0.3272,
0.4298

 12.4097, 0.3182,
0.5855


 12.4097, 0.3182,
0.5855

 12.4095, 0.3182,
0.5856

 12.5913, 0.3219,
0.5701

 12.8159, 0.3253,
0.5510

 13.0943, 0.3273,
0.5267

 13.4304, 0.3279,
0.4986

 13.8275, 0.3272,
0.4683

■ 14.2889, 0.3254,
0.4376

■ 14.8174, 0.3228,
0.4076

■ 15.4156, 0.3197,
0.3791

■ 16.0863, 0.3163,
0.3528

Harmonies

Analogous

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



12.4097, 0.4318, 0.5362



12.4097, 0.3182, 0.5855



12.4097, 0.2091, 0.5026

Triad

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



12.4097, 0.3182, 0.5855



12.4097, 0.1201, 0.1607



12.4097, 0.5192, 0.2818

Complementary

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



12.4097, 0.3182, 0.5855



2.8394, 0.2458, 0.1128

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.



12.4097, 0.3895, 0.2146



12.4097, 0.3182, 0.5855



12.4097, 0.1655, 0.1488

Square

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



12.4097, 0.3182, 0.5855



12.4097, 0.1096, 0.2145



12.4097, 0.2553, 0.1677



12.4097, 0.5684, 0.3576

Rectangle

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



12.4097, 0.3182, 0.5855



12.4097, 0.1545, 0.3891



12.4097, 0.2553, 0.1677



12.4097, 0.4818, 0.2580

Sweetspot

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



12.4102, 0.3182, 0.5855



25.9561, 0.3231, 0.4100



9.0150, 0.4852, 0.4529



5.9315, 0.3239, 0.4195



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.



12.4102, 0.3182, 0.5855



21.7438, 0.3166, 0.5869



12.0898, 0.2936, 0.5768



3.8095, 0.3159, 0.3504



13.8047, 0.3178, 0.5858



68.3541, 0.3144, 0.5886

Inverse Universe

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



2.8394, 0.2458, 0.1128



4.9179, 0.2439, 0.1117



4.3711, 0.3710, 0.1818



3.4033, 0.3092, 0.3080



3.1495, 0.2454, 0.1125



15.2145, 0.2413, 0.1103

Previews

White Background



This preview shows how the Yxy color 12.4097, 0.3182, 0.5855 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 12.4097, 0.3182, 0.5855 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 12.4097, 0.3182, 0.5855

Background



This preview shows how black text looks on a background with the Yxy color 12.4097, 0.3182, 0.5855.



This preview shows how white text looks on a background with the Yxy color 12.4097, 0.3182, 0.5855.

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

12.4097, 0.3182, 0.5855

Protanopia

12.3032, 0.4387, 0.4899

Deuteranopia

12.1797, 0.4567, 0.4489



Tritanopia

12.4454, 0.2465, 0.3070

Trichromacy



Original Color

12.4097, 0.3182, 0.5855

Protanomaly

11.7854, 0.3874, 0.5306

Deuteranomaly

11.6172, 0.3983, 0.5055

Tritanomaly

12.0964, 0.2822, 0.4274

Monochromacy



Original Color

12.4097, 0.3182, 0.5855

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.7692, 0.3263, 0.4495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4097, 0.3182, 0.5855 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(36, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 114, 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(36, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.4097, 0.3182, 0.5855 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(36, 114, 0) }
```

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

```
.border{ border-color:rgb(36, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(36, 114, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4097, 0.3182, 0.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 114, 0) }
```

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

```
.background{ background-color: rgb(36, 114,  
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