

Converting Colors

$Y_{xy}(12.1760, 0.3487, 0.5614)$

Have a look what the booklet for
Yxy(12.1760, 0.3487, 0.5614)
contains.

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Color

Yxy(12.1760, 0.3487, 0.5614)

Conversions

Conversions Part 1

Format	Color
Hex	3E6E00
RGB	62, 110, 0
RGB Percent	24%, 43%, 0%
CMY	0.7568, 0.5686, 1.0000
CMYK	0.44, 0.00, 1.00, 0.57
HSL	86°, 100%, 22%
HSV	86°, 100%, 43%
XYZ	7.5628, 12.1760, 1.9498
YIQ	83.1080, 6.7020, -44.3860

Conversions

Conversions Part 2

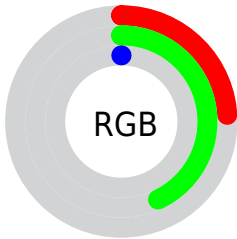
Format	Color
RYB	0, 110, 48
Decimal	4091392
CIELab	41.49, -32.76, 46.80
CIELCh	41, 57.132, 124.994
Yxy	12.1760, 0.3487, 0.5614
Android (android.graphics.Color)	4282281472 (0xFF3E6E00)
YUV	83.1080, -40.9722, -18.5117
Hunter-Lab	34.8941, -22.3773, 21.1129

Details

The Yxy color **12.1760, 0.3487, 0.5614** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.7539, 0.1952, 0.0849**, and the grayscale version is **8.7583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8117, 0.3494, 0.5006**, and **3.4646, 0.3034, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **12.1767, 0.3487, 0.5613**, and if you desaturate by 10%, it is **12.3629, 0.3515, 0.5474**.

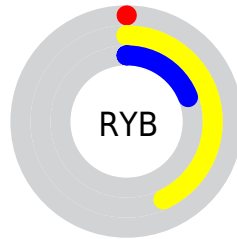
Distribution



Red (24%)

Green (43%)

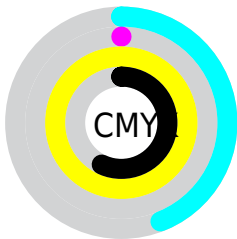
Blue (0%)



Red (0%)

Yellow (43%)

Blue (19%)

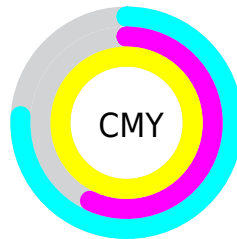


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (76%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1760, 0.3487, 0.5614 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 12.1760, 0.3487, 0.5614 by changing the saturation by 10% instead.


 12.1760, 0.3487,
0.5614


 12.1760, 0.3487,
0.5614


 205.5670, 0.3376,
0.4162


 6.8637, 0.3435,
0.6099


 29.8152, 0.3494,
0.5010


 3.3770, 0.3251,
0.6749

 42.9109, 0.3477,
0.4806


 1.3316, 0.2353,
0.7647

 59.3699, 0.3459,
0.4642

 0.1654, 0.0000,
1.0000


 79.5765, 0.3440,
0.4510


 0.0000, 0.0000,
0.0000


 103.9151, 0.3422,
0.4400


 132.7701, 0.3405,


0.4308

 166.5259, 0.3390,
0.4230


 12.1760, 0.3487,
0.5614


 12.1760, 0.3487,
0.5614


 12.1767, 0.3487,
0.5613

 12.3629, 0.3515,
0.5474

 12.5728, 0.3532,
0.5309

 12.8152, 0.3528,
0.5101

 13.0925, 0.3504,
0.4859

 13.4067, 0.3463,
0.4594

■ 13.7598, 0.3408,
0.4320

■ 14.1534, 0.3343,
0.4045

■ 14.5891, 0.3273,
0.3779

■ 15.0685, 0.3200,
0.3526

Harmonies

Analogous

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



12.1760, 0.4521, 0.5054



12.1760, 0.3487, 0.5614



12.1760, 0.2423, 0.5150

Triad

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



12.1760, 0.3487, 0.5614



12.1760, 0.1261, 0.1805



12.1760, 0.4776, 0.2702

Complementary

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



12.1760, 0.3487, 0.5614



1.7539, 0.1952, 0.0849

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.



12.1760, 0.3518, 0.2095



12.1760, 0.3487, 0.5614



12.1760, 0.1613, 0.1598

Square

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



12.1760, 0.3487, 0.5614



12.1760, 0.1246, 0.2456



12.1760, 0.2357, 0.1708



12.1760, 0.5462, 0.3420

Rectangle

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



12.1760, 0.3487, 0.5614



12.1760, 0.1836, 0.4224



12.1760, 0.2357, 0.1708



12.1760, 0.4387, 0.2482

Sweetspot

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



12.1767, 0.3487, 0.5613



24.7976, 0.3349, 0.4067



5.4019, 0.5526, 0.3994



5.7189, 0.3370, 0.4152



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.



12.1767, 0.3487, 0.5613



21.3123, 0.3470, 0.5627



11.1995, 0.3026, 0.5979



3.8473, 0.3193, 0.3502



14.6102, 0.3481, 0.5618



72.2628, 0.3445, 0.5647

Inverse Universe

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



1.7539, 0.1952, 0.0849



3.0109, 0.1926, 0.0834



3.9898, 0.3050, 0.1454



3.3650, 0.3057, 0.3077



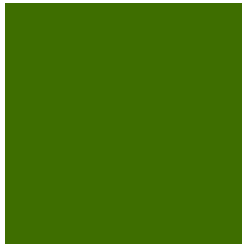
2.0901, 0.1942, 0.0844



9.9195, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 12.1760, 0.3487, 0.5614 looks on a white background.

Color Contrast Check

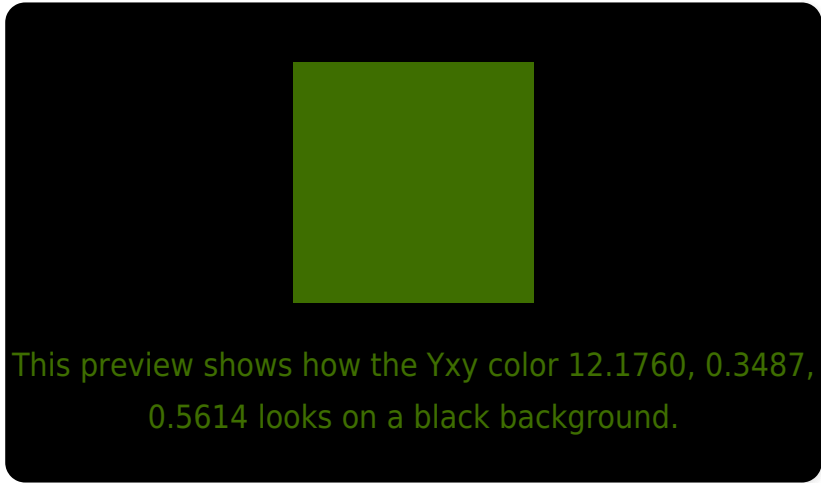
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1760, 0.3487, 0.5614

Background



This preview shows how black text looks on a background with the Yxy color 12.1760, 0.3487, 0.5614.



This preview shows how white text looks on a background with the Yxy color 12.1760, 0.3487, 0.5614.

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

12.1760, 0.3487, 0.5614

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

12.0976, 0.4567, 0.4518



Tritanopia

12.1244, 0.2675, 0.3098

Trichromacy



Original Color

12.1760, 0.3487, 0.5614

Protanomaly

11.8299, 0.4048, 0.5168

Deuteranomaly

11.7221, 0.4165, 0.4928

Tritanomaly

11.8474, 0.3084, 0.4208

Monochromacy



Original Color

12.1760, 0.3487, 0.5614

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.5816, 0.3411, 0.4382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1760, 0.3487, 0.5614 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(62, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(62, 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(62, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.1760, 0.3487, 0.5614 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(62, 110, 0) }
```

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

```
.border{ border-color:rgb(62, 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(62, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(62, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1760, 0.3487, 0.5614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 110, 0) }
```

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

```
.background{ background-color: rgb(62, 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](#).

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