

Converting Colors

$Y_{xy}(12.2878, 0.3564, 0.5552)$

Have a look what the booklet for
Yxy(12.2878, 0.3564, 0.5552)
contains.

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Color

Yxy(12.3808, 0.3568, 0.5549)

Conversions

Conversions Part 1

Format	Color
Hex	446E00
RGB	68, 110, 0
RGB Percent	27%, 43%, 0%
CMY	0.7333, 0.5686, 1.0000
CMYK	0.38, 0.00, 1.00, 0.57
HSL	83°, 100%, 22%
HSV	83°, 100%, 43%
XYZ	7.9608, 12.3808, 1.9701
YIQ	84.9020, 10.2780, -43.1140

Conversions

Conversions Part 2

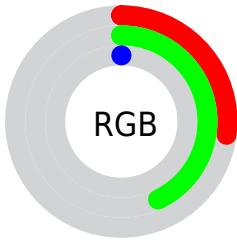
Format	Color
RYB	0, 110, 42
Decimal	4484608
CIELab	41.82, -30.44, 47.18
CIELCh	42, 56.143, 122.831
Yxy	12.3808, 0.3568, 0.5549
Android (android.graphics.Color)	4282674688 (0xFF446E00)
YUV	84.9020, -41.8567, -14.8231
Hunter-Lab	35.1864, -21.1909, 21.3107

Details

The Yxy color **12.3808, 0.3568, 0.5549** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.6178, 0.1861, 0.0799**, and the grayscale version is **9.1517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2319, 0.3555, 0.4970**, and **3.5308, 0.3147, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **12.3813, 0.3568, 0.5549**, and if you desaturate by 10%, it is **12.5620, 0.3590, 0.5417**.

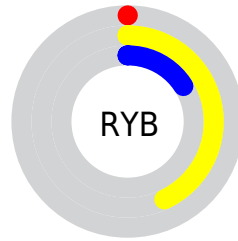
Distribution



Red (27%)

Green (43%)

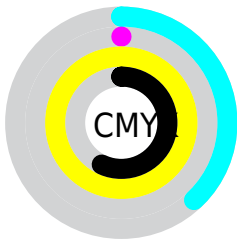
Blue (0%)



Red (0%)

Yellow (43%)

Blue (16%)

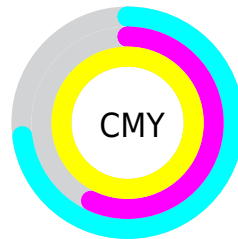


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (73%)


Magenta (57%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3808, 0.3568, 0.5549 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 12.3808, 0.3568, 0.5549 by changing the saturation by 10% instead.


 12.3808, 0.3568,
0.5549


 12.3808, 0.3568,
0.5549


 206.9102, 0.3405,
0.4150


 7.0036, 0.3534,
0.6006


 30.1868, 0.3552,
0.4972


 3.4643, 0.3383,
0.6617

 43.3843, 0.3529,
0.4775


 1.3787, 0.2662,
0.7338

 59.9574, 0.3505,
0.4617

 0.2009, 0.0000,
1.0000


 80.2905, 0.3481,
0.4488


 0.0000, 0.0000,
0.0000

 104.7679, 0.3460,
0.4381


 133.7741, 0.3440,


0.4292


 167.6934, 0.3422,
0.4215


 12.3808, 0.3568,
0.5549


 12.3808, 0.3568,
0.5549


 12.3813, 0.3568,
0.5549

 12.5620, 0.3590,
0.5417

 12.7632, 0.3600,
0.5261

 12.9938, 0.3589,
0.5063

 13.2561, 0.3556,
0.4830

 13.5519, 0.3506,
0.4575

■ 13.8831, 0.3443,
0.4308

■ 14.2514, 0.3369,
0.4039

■ 14.6581, 0.3290,
0.3776

■ 15.1048, 0.3209,
0.3525

Harmonies

Analogous

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



12.3808, 0.4572, 0.4974



12.3808, 0.3568, 0.5549



12.3808, 0.2515, 0.5176

Triad

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



12.3808, 0.3568, 0.5549



12.3808, 0.1278, 0.1863



12.3808, 0.4662, 0.2668

Complementary

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



12.3808, 0.3568, 0.5549



1.6178, 0.1861, 0.0799

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.



12.3808, 0.3420, 0.2080



12.3808, 0.3568, 0.5549



12.3808, 0.1601, 0.1630

Square

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



12.3808, 0.3568, 0.5549



12.3808, 0.1289, 0.2546



12.3808, 0.2306, 0.1717



12.3808, 0.5395, 0.3374

Rectangle

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



12.3808, 0.3568, 0.5549



12.3808, 0.1918, 0.4310



12.3808, 0.2306, 0.1717



12.3808, 0.4271, 0.2453

Sweetspot

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



12.3813, 0.3568, 0.5549



24.9741, 0.3375, 0.4060



4.8553, 0.5709, 0.3849



5.7633, 0.3399, 0.4144



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.



12.3813, 0.3568, 0.5549



21.6743, 0.3553, 0.5561



11.2505, 0.3054, 0.5957



3.8557, 0.3201, 0.3501



14.8570, 0.3562, 0.5553



73.5030, 0.3529, 0.5580

Inverse Universe

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



1.6178, 0.1861, 0.0799



2.7753, 0.1835, 0.0785



3.5767, 0.2890, 0.1366



3.3568, 0.3049, 0.3077



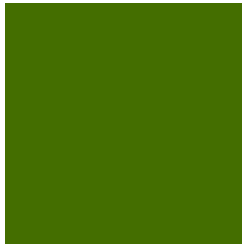
1.9273, 0.1852, 0.0794



9.1381, 0.1798, 0.0764

Previews

White Background



This preview shows how the Yxy color 12.3808, 0.3568, 0.5549 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 12.3808, 0.3568, 0.5549 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 12.3808, 0.3568, 0.5549

Background



This preview shows how black text looks on a background with the Yxy color 12.3808, 0.3568, 0.5549.



This preview shows how white text looks on a background with the Yxy color 12.3808, 0.3568, 0.5549.

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

12.3808, 0.3568, 0.5549

Protanopia

12.3032, 0.4387, 0.4899

Deuteranopia

12.1717, 0.4582, 0.4508



Tritanopia

12.3340, 0.2734, 0.3102

Trichromacy



Original Color

12.3808, 0.3568, 0.5549

Protanomaly

12.1334, 0.4065, 0.5154

Deuteranomaly

11.8984, 0.4215, 0.4892

Tritanomaly

12.0818, 0.3166, 0.4186

Monochromacy



Original Color

12.3808, 0.3568, 0.5549

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.9340, 0.3459, 0.4353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3808, 0.3568, 0.5549 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(68, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 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(68, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3808, 0.3568, 0.5549 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(68, 110, 0) }
```

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

```
.border{ border-color:rgb(68, 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(68, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3808, 0.3568, 0.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 110, 0) }
```

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

```
.background{ background-color: rgb(68, 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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