

Converting Colors

$Y_{xy}(11.0192, 0.3422, 0.5168)$

Have a look what the booklet for
Yxy(11.0192, 0.3422, 0.5168)
contains.

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Color

Yxy(11.1234, 0.3423, 0.5160)

Conversions

Conversions Part 1

Format	Color
Hex	41681F
RGB	65, 104, 31
RGB Percent	25%, 41%, 12%
CMY	0.7450, 0.5922, 0.8784
CMYK	0.37, 0.00, 0.70, 0.59
HSL	92°, 54%, 26%
HSV	92°, 70%, 41%
XYZ	7.3790, 11.1234, 3.0546
YIQ	84.0170, 0.1890, -30.9710

Conversions

Conversions Part 2

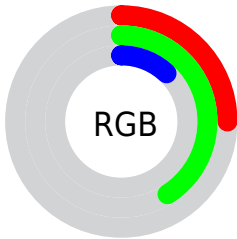
Format	Color
R_{YB}	31, 104, 70
Decimal	4286495
CIE _{Lab}	39.79, -27.16, 35.41
CIE _{LCh}	40, 44.633, 127.490
Yxy	11.1234, 0.3423, 0.5160
Android (android.graphics.Color)	4282476575 (0xFF41681F)
YUV	84.0170, -26.1374, -16.6779
Hunter-Lab	33.3518, -18.8731, 17.9160

Details

The Yxy color **11.1234, 0.3423, 0.5160** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.2809, 0.2480, 0.1476**, and the grayscale version is **8.9259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7202, 0.3404, 0.4641**, and **2.9475, 0.3242, 0.5808** is the 20% darker color. If you saturate the color by 10%, you get **10.8973, 0.3416, 0.5384**, and if you desaturate by 10%, it is **11.3869, 0.3412, 0.4902**.

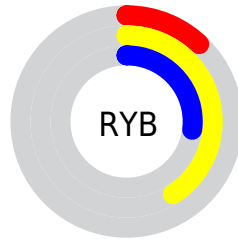
Distribution



Red (25%)

Green (41%)

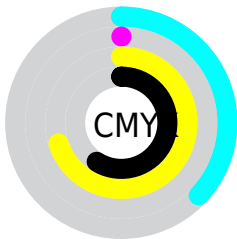
Blue (12%)



Red (12%)

Yellow (41%)

Blue (27%)

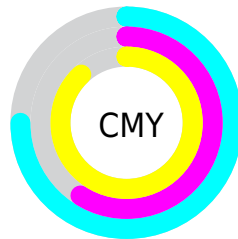


Cyan (37%)

Magenta (0%)

Yellow (70%)

Black (59%)



Cyan (75%)


Magenta (59%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1234, 0.3423, 0.5160 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 11.1234, 0.3423, 0.5160 by changing the saturation by 10% instead.


 11.1234, 0.3423,
0.5160


 11.1234, 0.3423,
0.5160


198.5122, 0.3300,
0.3964

 6.1499, 0.3401,
0.5580

 27.8881, 0.3400,
0.4642


 2.9364, 0.3471,
0.6529


 40.4481, 0.3383,
0.4474

 1.0986, 0.2503,
0.7497

 56.3058, 0.3365,
0.4343

 0.0000, 0.0000,
0.0000


 75.8454, 0.3349,
0.4237


 99.4515, 0.3335,
0.4150

 127.5084, 0.3322,


0.4078


 160.4005, 0.3310,
0.4016


 11.1234, 0.3423,
0.5160


 11.1234, 0.3423,
0.5160


 10.8973, 0.3416,
0.5384


 11.3869, 0.3412,
0.4902


 10.7047, 0.3390,
0.5563

 11.6883, 0.3385,
0.4624

 10.5401, 0.3358,
0.5716

 12.0300, 0.3346,
0.4339

 12.4137, 0.3298,
0.4056

 12.8410, 0.3243,
0.3785

■ 13.3134, 0.3186,
0.3530

■ 13.8324, 0.3128,
0.3294

■ 14.3994, 0.3071,
0.3079

■ 15.0155, 0.3016,
0.2885

Harmonies

Analogous

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



11.1234, 0.4299, 0.4867



11.1234, 0.3423, 0.5160



11.1234, 0.2519, 0.4660

Triad

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



11.1234, 0.3423, 0.5160



11.1234, 0.1543, 0.2026



11.1234, 0.4533, 0.2873

Complementary

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



11.1234, 0.3423, 0.5160



3.2809, 0.2480, 0.1476

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.



11.1234, 0.3548, 0.2322



11.1234, 0.3423, 0.5160



11.1234, 0.1887, 0.1848

Square

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



11.1234, 0.3423, 0.5160



11.1234, 0.1517, 0.2574



11.1234, 0.2570, 0.1961



11.1234, 0.5058, 0.3524

Rectangle

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



11.1234, 0.3423, 0.5160



11.1234, 0.2024, 0.3941



11.1234, 0.2570, 0.1961



11.1234, 0.4234, 0.2674

Sweetspot

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



11.1239, 0.3423, 0.5160



22.4194, 0.3251, 0.3822



7.4140, 0.4560, 0.4152



5.4326, 0.3262, 0.3875



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.1239, 0.3423, 0.5160



18.9036, 0.3402, 0.5500



10.3039, 0.3010, 0.5351



3.1993, 0.3179, 0.3498



12.9746, 0.3350, 0.5722



67.1580, 0.3309, 0.5754

Inverse Universe

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



3.2809, 0.2480, 0.1476



4.1175, 0.2292, 0.1156



4.8739, 0.3249, 0.1846



2.8288, 0.3072, 0.3082



2.2326, 0.2131, 0.0947



11.1196, 0.2075, 0.0917

Previews

White Background



This preview shows how the Yxy color 11.1234, 0.3423, 0.5160 looks on a white background.

Color Contrast Check

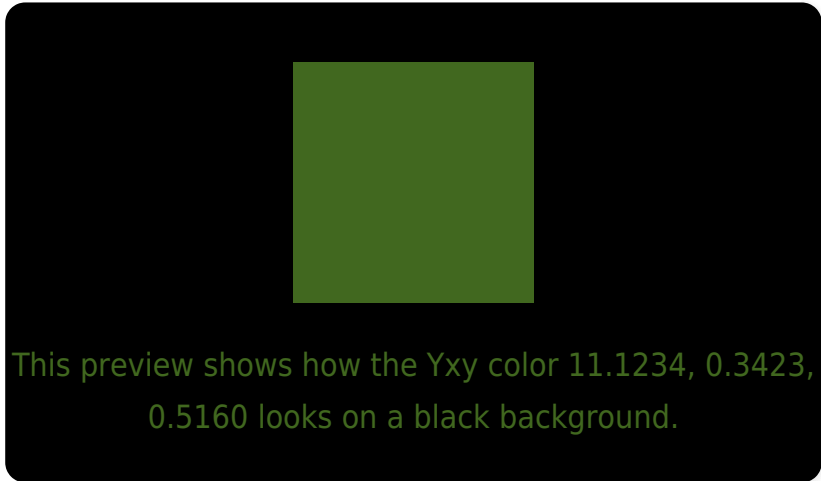
Large Text (above 18pt) WCAG AA ✓ Pass

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

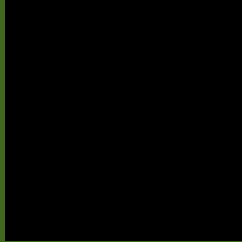
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1234, 0.3423, 0.5160

Background



This preview shows how black text looks on a background with the Yxy color 11.1234, 0.3423, 0.5160.



This preview shows how white text looks on a background with the Yxy color 11.1234, 0.3423, 0.5160.

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

11.1234, 0.3423, 0.5160

Protanopia

11.0925, 0.4210, 0.4653

Deuteranopia

10.9851, 0.4388, 0.4345



Tritanopia

11.1058, 0.2731, 0.3093

Trichromacy



Original Color

11.1234, 0.3423, 0.5160

Protanomaly

10.9977, 0.3892, 0.4861

Deuteranomaly

10.6623, 0.4015, 0.4642

Tritanomaly

11.0421, 0.3016, 0.3870

Monochromacy



Original Color

11.1234, 0.3423, 0.5160

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.4416, 0.3285, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1234, 0.3423, 0.5160 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(65, 104, 31)` looks like.

```
.text, #text, p{  
  color:rgb(65, 104, 31)  
}
```

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(65, 104, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 104, 31) }
```

Border

The CSS property to change the border of an element to Yxy 11.1234, 0.3423, 0.5160 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(65, 104, 31) }
```

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

```
.border{ border-color:rgb(65, 104, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 104, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 104, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 104, 31);  
box-shadow:4px 4px 4px 4px rgb(65, 104,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1234, 0.3423, 0.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 104, 31) }
```

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

```
.background{ background-color: rgb(65, 104,  
31) }
```

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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