

Converting Colors

$Y_{xy}(12.2542, 0.3256, 0.5244)$

Have a look what the booklet for
Yxy(12.2542, 0.3256, 0.5244)
contains.

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Color

Yxy(12.3542, 0.3259, 0.5255)

Conversions

Conversions Part 1

Format	Color
Hex	396F22
RGB	57, 111, 34
RGB Percent	22%, 44%, 13%
CMY	0.7763, 0.5647, 0.8667
CMYK	0.49, 0.00, 0.69, 0.56
HSL	102°, 53%, 28%
HSV	102°, 69%, 44%
XYZ	7.6617, 12.3542, 3.4935
YIQ	86.0760, -7.4670, -35.3950

Conversions

Conversions Part 2

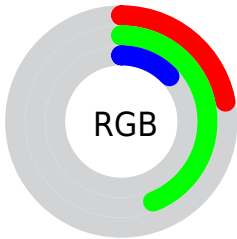
Format	Color
R_{YB}	34, 111, 88
Decimal	3764002
CIE _{Lab}	41.77, -33.03, 36.06
CIE _{LCh}	42, 48.902, 132.495
Yxy	12.3542, 0.3259, 0.5255
Android (android.graphics.Color)	4281954082 (0xFF396F22)
YUV	86.0760, -25.6735, -25.4997
Hunter-Lab	35.1485, -22.6003, 18.7110

Details

The Yxy color **12.3542, 0.3259, 0.5255** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.3642, 0.2732, 0.1598**, and the grayscale version is **9.3815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0701, 0.3280, 0.4704**, and **3.4517, 0.3012, 0.5991** is the 20% darker color. If you saturate the color by 10%, you get **12.0892, 0.3239, 0.5503**, and if you desaturate by 10%, it is **12.6760, 0.3265, 0.4970**.

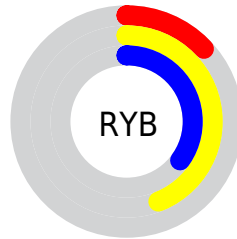
Distribution



Red (22%)

Green (44%)

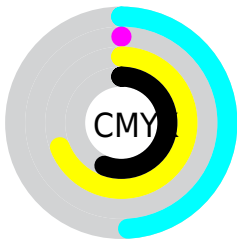
Blue (13%)



Red (13%)

Yellow (44%)

Blue (35%)

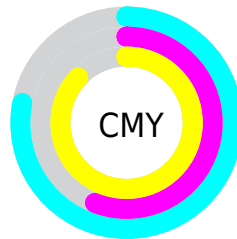


Cyan (49%)

Magenta (0%)

Yellow (69%)

Black (56%)



Cyan (78%)


Magenta (56%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3542, 0.3259, 0.5255 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 12.3542, 0.3259, 0.5255 by changing the saturation by 10% instead.


 12.3542, 0.3259,
0.5255


 12.3542, 0.3259,
0.5255


206.7363, 0.3242,
0.4002


 6.9854, 0.3203,
0.5695


 30.1386, 0.3282,
0.4713


 3.4530, 0.3185,
0.6616

 43.3229, 0.3279,
0.4538


 1.3725, 0.2396,
0.7604

 59.8813, 0.3273,
0.4400

 0.1963, 0.0000,
1.0000

 80.1980, 0.3267,
0.4289

 0.0000, 0.0000,
0.0000

 104.6574, 0.3260,
0.4197

 133.6440, 0.3254,

0.4121

167.5422, 0.3248,
0.4057

12.3542, 0.3259,
0.5255

12.3542, 0.3259,
0.5255

12.0892, 0.3239,
0.5503

12.6760, 0.3265,
0.4970

11.8757, 0.3207,
0.5699

13.0564, 0.3259,
0.4666

11.7049, 0.3171,
0.5856

13.4988, 0.3243,
0.4358

11.6953, 0.3169,
0.5866

14.0061, 0.3219,
0.4058

14.5809, 0.3190,
0.3774

■ 15.2256, 0.3158,
0.3513

■ 15.9426, 0.3125,
0.3276

■ 16.7340, 0.3092,
0.3063

■ 17.6020, 0.3059,
0.2873

Harmonies

Analogous

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



12.3542, 0.4197, 0.5030



12.3542, 0.3259, 0.5255



12.3542, 0.2336, 0.4578

Triad

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



12.3542, 0.3259, 0.5255



12.3542, 0.1512, 0.1909



12.3542, 0.4751, 0.2953

Complementary

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



12.3542, 0.3259, 0.5255



4.3642, 0.2732, 0.1598

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.



12.3542, 0.3755, 0.2360



12.3542, 0.3259, 0.5255



12.3542, 0.1922, 0.1785

Square

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



12.3542, 0.3259, 0.5255



12.3542, 0.1427, 0.2401



12.3542, 0.2691, 0.1949



12.3542, 0.5183, 0.3635

Rectangle

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



12.3542, 0.3259, 0.5255



12.3542, 0.1860, 0.3768



12.3542, 0.2691, 0.1949



12.3542, 0.4460, 0.2742

Sweetspot

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



12.3547, 0.3259, 0.5255



25.8737, 0.3197, 0.3835



10.4574, 0.4344, 0.4399



6.1631, 0.3203, 0.3894



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.



12.3547, 0.3259, 0.5255



21.4127, 0.3222, 0.5625



11.9336, 0.2911, 0.5029



3.8071, 0.3157, 0.3504



13.7694, 0.3164, 0.5870



68.1916, 0.3130, 0.5897

Inverse Universe

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



4.3642, 0.2732, 0.1598



6.0056, 0.2609, 0.1326



5.3602, 0.3533, 0.2054



3.4058, 0.3094, 0.3080



3.2370, 0.2491, 0.1146



15.6613, 0.2452, 0.1124

Previews

White Background



This preview shows how the Yxy color 12.3542, 0.3259, 0.5255 looks on a white background.

Color Contrast Check

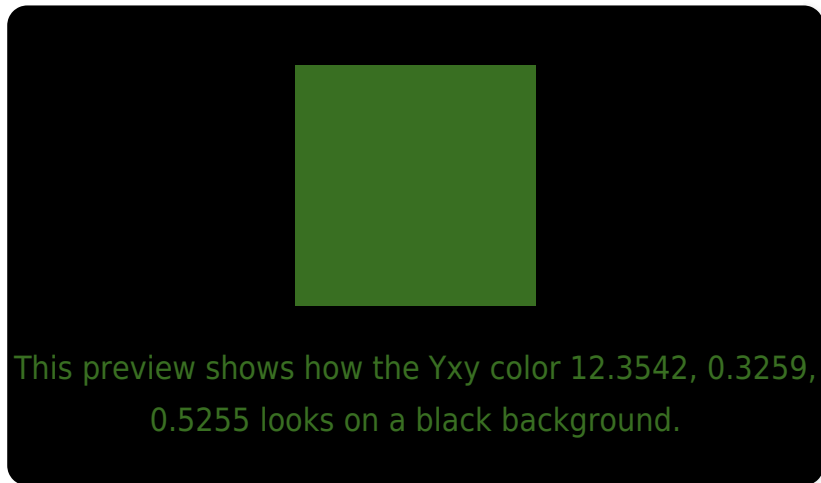
Large Text (above 18pt) WCAG AA ✓ Pass

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

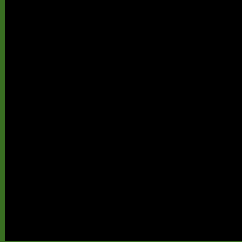
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3542, 0.3259, 0.5255

Background



This preview shows how black text looks on a background with the Yxy color 12.3542, 0.3259, 0.5255.



This preview shows how white text looks on a background with the Yxy color 12.3542, 0.3259, 0.5255.

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

12.3542, 0.3259, 0.5255

Protanopia

12.1493, 0.4207, 0.4628

Deuteranopia

12.1195, 0.4379, 0.4307



Tritanopia

12.4101, 0.2615, 0.3098

Trichromacy



Original Color

12.3542, 0.3259, 0.5255

Protanomaly

12.0289, 0.3824, 0.4881

Deuteranomaly

11.8510, 0.3916, 0.4667

Tritanomaly

12.3137, 0.2872, 0.3884

Monochromacy



Original Color

12.3542, 0.3259, 0.5255

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.0855, 0.3212, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3542, 0.3259, 0.5255 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(57, 111, 34)` looks like.

```
.text, #text, p{  
    color:rgb(57, 111, 34)  
}
```

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(57, 111, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 111, 34) }
```

Border

The CSS property to change the border of an element to Yxy 12.3542, 0.3259, 0.5255 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(57, 111, 34) }
```

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

```
.border{ border-color:rgb(57, 111, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 111, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 111, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 111, 34);  
box-shadow:4px 4px 4px 4px rgb(57, 111,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3542, 0.3259, 0.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 111, 34) }
```

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

```
.background{ background-color: rgb(57, 111,  
34) }
```

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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