

Converting Colors

$Y_{xy}(12.7110, 0.3545, 0.5493)$

Have a look what the booklet for
Yxy(12.7110, 0.3545, 0.5493)
contains.

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Color

Yxy(12.6494, 0.3549, 0.5491)

Conversions

Conversions Part 1

Format	Color
Hex	456F07
RGB	69, 111, 7
RGB Percent	27%, 44%, 3%
CMY	0.7295, 0.5647, 0.9725
CMYK	0.38, 0.00, 0.94, 0.56
HSL	84°, 88%, 23%
HSV	84°, 94%, 44%
XYZ	8.1757, 12.6494, 2.2115
YIQ	86.5860, 8.3520, -41.2480

Conversions

Conversions Part 2

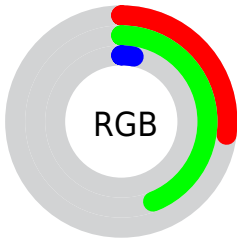
Format	Color
RYB	7, 111, 49
Decimal	4550407
CIELab	42.23, -30.28, 45.83
CIELCh	42, 54.927, 123.451
Yxy	12.6494, 0.3549, 0.5491
Android (android.graphics.Color)	4282740487 (0xFF456F07)
YUV	86.5860, -39.2359, -15.4229
Hunter-Lab	35.5660, -21.2080, 21.2095

Details

The Yxy color **12.6494, 0.3549, 0.5491** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.9536, 0.1972, 0.0914**, and the grayscale version is **9.5209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7021, 0.3535, 0.4923**, and **3.6566, 0.3168, 0.5867** is the 20% darker color. If you saturate the color by 10%, you get **12.5336, 0.3533, 0.5576**, and if you desaturate by 10%, it is **12.8489, 0.3569, 0.5347**.

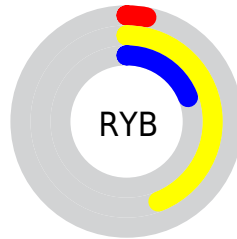
Distribution



 Red (27%)

 Green (44%)

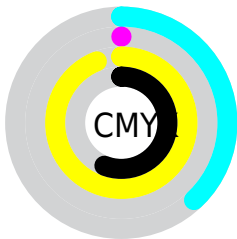
 Blue (3%)




 Red (3%)

 Yellow (44%)

 Blue (19%)

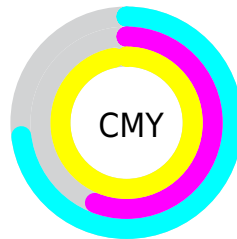



 Cyan (38%)

 Magenta (0%)

 Yellow (94%)

 Black (56%)



 Cyan (73%)


 Magenta (56%)

 Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6494, 0.3549, 0.5491 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 12.6494, 0.3549, 0.5491 by changing the saturation by 10% instead.

 12.6494, 0.3549,
0.5491


 12.6494, 0.3549,
0.5491

208.6583, 0.3390,
0.4126


 7.1876, 0.3513,
0.5926


 30.6725, 0.3531,
0.4926


 3.5797, 0.3408,
0.6592

 44.0025, 0.3508,
0.4734


 1.4413, 0.2754,
0.7246

 60.7240, 0.3485,
0.4580

 0.2469, 0.0000,
1.0000


 81.2215, 0.3462,
0.4455

 0.0000, 0.0000,
0.0000


 105.8792, 0.3442,
0.4351


 135.0817, 0.3423,


0.4264

 169.2133, 0.3406,
0.4190


 12.6494, 0.3549,
0.5491


 12.6494, 0.3549,
0.5491


 12.5336, 0.3533,
0.5576

 12.8489, 0.3569,
0.5347

 13.0775, 0.3569,
0.5159

 13.3389, 0.3548,
0.4934

 13.6353, 0.3508,
0.4682

 13.9685, 0.3452,
0.4415

■ 14.3403, 0.3385,
0.4142

■ 14.7524, 0.3312,
0.3874

■ 15.2063, 0.3234,
0.3617

■ 15.7033, 0.3156,
0.3375

Harmonies

Analogous

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



12.6494, 0.4533, 0.4962



12.6494, 0.3549, 0.5491



12.6494, 0.2518, 0.5092

Triad

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



12.6494, 0.3549, 0.5491



12.6494, 0.1318, 0.1888



12.6494, 0.4642, 0.2700

Complementary

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



12.6494, 0.3549, 0.5491



1.9536, 0.1972, 0.0914

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.



12.6494, 0.3440, 0.2117



12.6494, 0.3549, 0.5491



12.6494, 0.1644, 0.1663

Square

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



12.6494, 0.3549, 0.5491



12.6494, 0.1324, 0.2551



12.6494, 0.2346, 0.1754



12.6494, 0.5341, 0.3398

Rectangle

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



12.6494, 0.3549, 0.5491



12.6494, 0.1936, 0.4250



12.6494, 0.2346, 0.1754



12.6494, 0.4265, 0.2487

Sweetspot

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



12.6500, 0.3549, 0.5491



26.0302, 0.3350, 0.4009



5.5588, 0.5443, 0.3941



6.1939, 0.3375, 0.4101



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.



12.6500, 0.3549, 0.5491



22.3655, 0.3517, 0.5589



11.5086, 0.3045, 0.5878



3.8522, 0.3198, 0.3502



14.7522, 0.3528, 0.5580



72.9749, 0.3494, 0.5608

Inverse Universe

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



1.9536, 0.1972, 0.0914



2.9770, 0.1870, 0.0804



4.0438, 0.2985, 0.1460



3.3602, 0.3052, 0.3077



1.9914, 0.1888, 0.0814



9.4441, 0.1834, 0.0784

Previews

White Background



This preview shows how the Yxy color 12.6494, 0.3549, 0.5491 looks on a white background.

Color Contrast Check

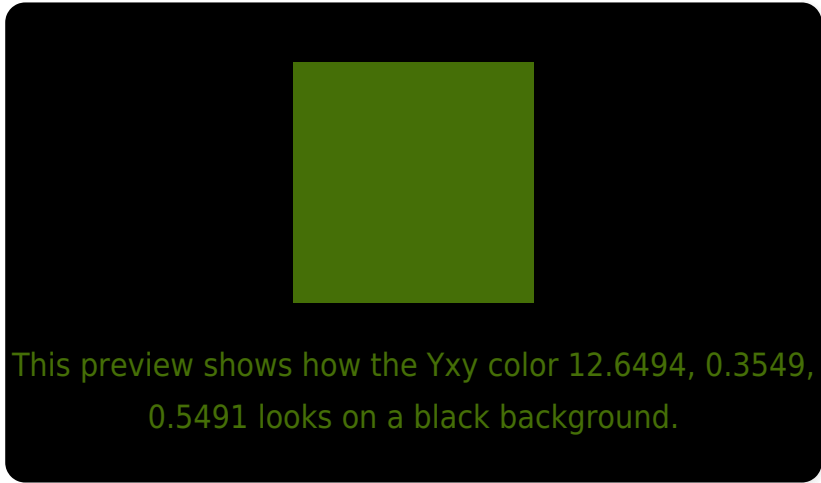
Large Text (above 18pt) WCAG AA ✓ Pass

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

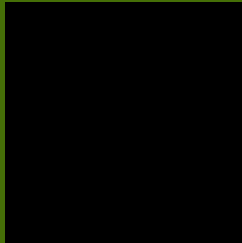
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6494, 0.3549, 0.5491

Background



This preview shows how black text looks on a background with the Yxy color 12.6494, 0.3549, 0.5491.



This preview shows how white text looks on a background with the Yxy color 12.6494, 0.3549, 0.5491.

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

12.6494, 0.3549, 0.5491

Protanopia

12.5591, 0.4385, 0.4900

Deuteranopia

12.4272, 0.4573, 0.4505



Tritanopia

12.5975, 0.2737, 0.3103

Trichromacy



Original Color

12.6494, 0.3549, 0.5491

Protanomaly

12.3940, 0.4055, 0.5133

Deuteranomaly

12.1581, 0.4199, 0.4870

Tritanomaly

12.3669, 0.3141, 0.4125

Monochromacy



Original Color

12.6494, 0.3549, 0.5491

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.3767, 0.3411, 0.4287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6494, 0.3549, 0.5491 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(69, 111, 7)` looks like.

```
.text, #text, p{  
  color:rgb(69, 111, 7)  
}
```

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(69, 111, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 111, 7) }
```

Border

The CSS property to change the border of an element to Yxy 12.6494, 0.3549, 0.5491 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(69, 111, 7) }
```

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

```
.border{ border-color:rgb(69, 111, 7) }
```

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

Here you see how a box with a 4 pixel rgb(69, 111, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 111, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 111, 7);  
box-shadow:4px 4px 4px 4px rgb(69, 111, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6494, 0.3549, 0.5491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 111, 7) }
```

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

```
.background{ background-color: rgb(69, 111,  
7) }
```

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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