

Converting Colors

$Y_{xy}(11.7447, 0.3512, 0.4780)$

Have a look what the booklet for
Yxy(11.7447, 0.3512, 0.4780)
contains.

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Color

Yxy(11.7447, 0.3512, 0.4780)

Conversions

Conversions Part 1

Format	Color
Hex	4F682C
RGB	79, 104, 44
RGB Percent	31%, 41%, 17%
CMY	0.6902, 0.5921, 0.8274
CMYK	0.24, 0.00, 0.58, 0.59
HSL	85°, 41%, 29%
HSV	85°, 58%, 41%
XYZ	8.6292, 11.7447, 4.1966
YIQ	89.6850, 4.3600, -23.9600

Conversions

Conversions Part 2

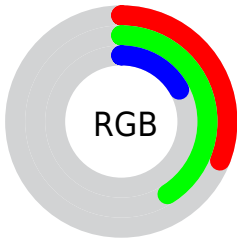
Format	Color
R_{YB}	44, 104, 69
Decimal	5204012
CIE _{Lab}	40.81, -20.14, 30.39
CIE _{LCh}	41, 36.453, 123.533
Yxy	11.7447, 0.3512, 0.4780
Android (android.graphics.Color)	4283394092 (0xFF4F682C)
YUV	89.6850, -22.5227, -9.3707
Hunter-Lab	34.2705, -15.0280, 16.7289

Details

The Yxy color **11.7447, 0.3512, 0.4780** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4.0685, 0.2492, 0.1731**, and the grayscale version is **10.2010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9612, 0.3446, 0.4366**, and **3.2333, 0.3545, 0.5567** is the 20% darker color. If you saturate the color by 10%, you get **11.4966, 0.3544, 0.5024**, and if you desaturate by 10%, it is **12.0256, 0.3464, 0.4517**.

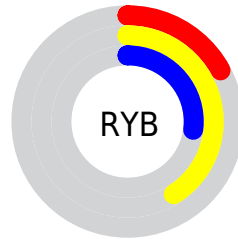
Distribution



Red (31%)

Green (41%)

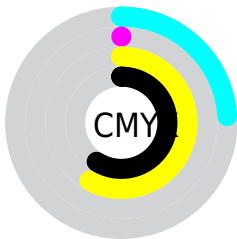
Blue (17%)



Red (17%)

Yellow (41%)

Blue (27%)

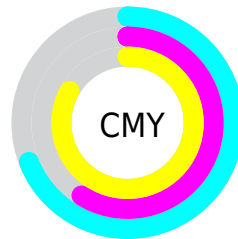


Cyan (24%)

Magenta (0%)

Yellow (58%)

Black (59%)



Cyan (69%)

Magenta (59%)

Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7447, 0.3512, 0.4780 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 11.7447, 0.3512, 0.4780 by changing the saturation by 10% instead.


 11.7447, 0.3512,
0.4780


 11.7447, 0.3512,
0.4780


202.7077, 0.3312,
0.3840


 6.5701, 0.3542,
0.5109


 29.0293, 0.3445,
0.4375


 3.1947, 0.3609,
0.5706

 41.9080, 0.3417,
0.4244


 1.2342, 0.3434,
0.6566

 58.1236, 0.3393,
0.4140

 0.0894, 0.0000,
1.0000

 78.0604, 0.3372,
0.4057

 0.0000, 0.0000,
0.0000

 102.1028, 0.3354,
0.3988

 130.6352, 0.3338,

0.3930

164.0421, 0.3324,
0.3882

■ 11.7447, 0.3512,
0.4780

■ 11.7447, 0.3512,
0.4780

■ 11.4966, 0.3544,
0.5024

■ 12.0256, 0.3464,
0.4517

■ 11.2780, 0.3556,
0.5238

■ 12.3393, 0.3403,
0.4245

■ 11.0875, 0.3548,
0.5412

■ 12.6877, 0.3335,
0.3976

■ 10.9193, 0.3524,
0.5554

■ 13.0722, 0.3261,
0.3715

■ 10.8820, 0.3519,
0.5588

■ 13.4941, 0.3185,
0.3468

■ 13.9546, 0.3110,
0.3238

■ 14.4547, 0.3036,
0.3027

■ 14.9956, 0.2966,
0.2834

■ 15.5783, 0.2900,
0.2660

Harmonies

Analogous

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



11.7447, 0.4212, 0.4556



11.7447, 0.3512, 0.4780



11.7447, 0.2750, 0.4443

Triad

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



11.7447, 0.3512, 0.4780



11.7447, 0.1777, 0.2297



11.7447, 0.4168, 0.2894

Complementary

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



11.7447, 0.3512, 0.4780



4.0685, 0.2492, 0.1731

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.



11.7447, 0.3367, 0.2434



11.7447, 0.3512, 0.4780



11.7447, 0.2041, 0.2090

Square

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



11.7447, 0.3512, 0.4780



11.7447, 0.1801, 0.2820



11.7447, 0.2589, 0.2149



11.7447, 0.4662, 0.3453

Rectangle

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



11.7447, 0.3512, 0.4780



11.7447, 0.2310, 0.3928



11.7447, 0.2589, 0.2149



11.7447, 0.3918, 0.2725

Sweetspot

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



11.7452, 0.3512, 0.4780



22.9466, 0.3259, 0.3710



7.3829, 0.4354, 0.3876



5.5748, 0.3270, 0.3745



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.



11.7452, 0.3512, 0.4780



20.0376, 0.3550, 0.5098



10.7367, 0.3102, 0.4990



3.2140, 0.3194, 0.3497



13.3945, 0.3512, 0.5593



69.3374, 0.3475, 0.5623

Inverse Universe

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



4.0685, 0.2492, 0.1731



5.1416, 0.2305, 0.1381



5.4552, 0.3085, 0.1969



2.8142, 0.3056, 0.3081



1.8567, 0.1914, 0.0828



9.1929, 0.1856, 0.0796

Previews

White Background



This preview shows how the Yxy color 11.7447, 0.3512, 0.4780 looks on a white background.

Color Contrast Check

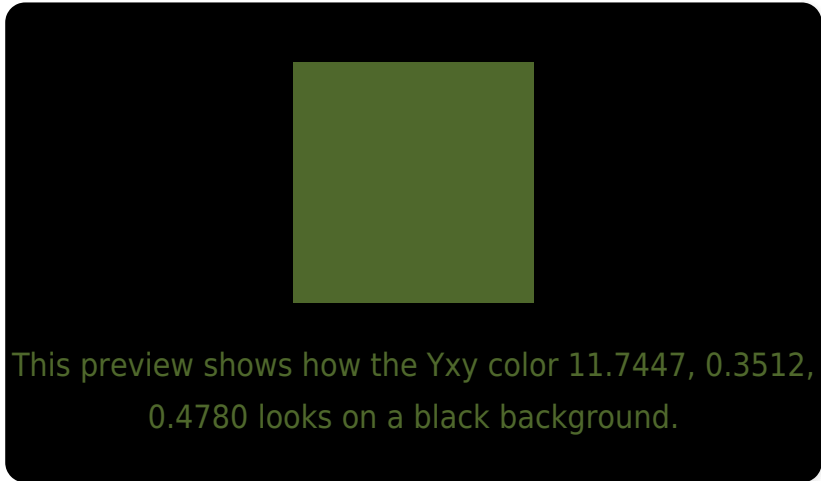
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7447, 0.3512, 0.4780

Background



This preview shows how black text looks on a background with the Yxy color 11.7447, 0.3512, 0.4780.



This preview shows how white text looks on a background with the Yxy color 11.7447, 0.3512, 0.4780.

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

11.7447, 0.3512, 0.4780

Protanopia

11.6587, 0.4070, 0.4450

Deuteranopia

11.5471, 0.4241, 0.4169



Tritanopia

11.7815, 0.2878, 0.3125

Trichromacy



Original Color

11.7447, 0.3512, 0.4780

Protanomaly

11.6395, 0.3857, 0.4568

Deuteranomaly

11.5140, 0.3959, 0.4381

Tritanomaly

11.6237, 0.3122, 0.3712

Monochromacy



Original Color

11.7447, 0.3512, 0.4780

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6439, 0.3303, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7447, 0.3512, 0.4780 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(79, 104, 44)` looks like.

```
.text, #text, p{  
    color:rgb(79, 104, 44)  
}
```

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(79, 104, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 104, 44) }
```

Border

The CSS property to change the border of an element to Yxy 11.7447, 0.3512, 0.4780 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(79, 104, 44) }
```

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

```
.border{ border-color:rgb(79, 104, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 104, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 104, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 104, 44);  
box-shadow:4px 4px 4px 4px rgb(79, 104,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7447, 0.3512, 0.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 104, 44) }
```

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

```
.background{ background-color: rgb(79, 104,  
44) }
```

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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