

Converting Colors

$Y_{xy}(11.7500, 0.3129, 0.4347)$

Have a look what the booklet for
Yxy(11.7500, 0.3129, 0.4347)
contains.

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Color

Yxy(11.7500, 0.3129, 0.4347)

Conversions

Conversions Part 1

Format	Color
Hex	456941
RGB	69, 105, 65
RGB Percent	27%, 41%, 25%
CMY	0.7296, 0.5882, 0.7451
CMYK	0.34, 0.00, 0.38, 0.59
HSL	114°, 24%, 33%
HSV	114°, 38%, 41%
XYZ	8.4577, 11.7500, 6.8224
YIQ	89.6760, -8.6160, -20.0720

Conversions

Conversions Part 2

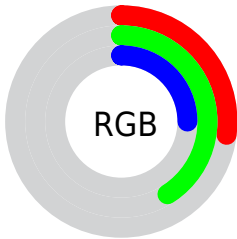
Format	Color
R _Y B	65, 105, 101
Decimal	4548929
CIE Lab	40.82, -21.67, 18.52
CIE LCh	41, 28.508, 139.482
Yxy	11.7500, 0.3129, 0.4347
Android (android.graphics.Color)	4282739009 (0xFF456941)
YUV	89.6760, -12.1653, -18.1329
Hunter-Lab	34.2783, -15.9444, 12.1943

Details

The Yxy color **11.7500, 0.3129, 0.4347** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.5695, 0.3096, 0.2388**, and the grayscale version is **10.1755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8911, 0.3149, 0.4047**, and **3.1510, 0.3064, 0.5004** is the 20% darker color. If you saturate the color by 10%, you get **11.3213, 0.3122, 0.4674**, and if you desaturate by 10%, it is **12.2575, 0.3132, 0.4034**.

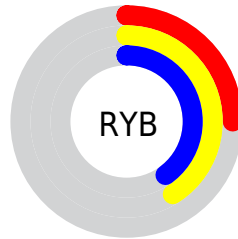
Distribution



Red (27%)

Green (41%)

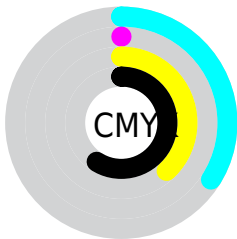
Blue (25%)



Red (25%)

Yellow (41%)

Blue (40%)

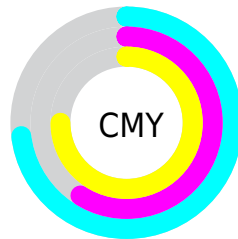


Cyan (34%)

Magenta (0%)

Yellow (38%)

Black (59%)



Cyan (73%)

Magenta (59%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7500, 0.3129, 0.4347 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 11.7500, 0.3129, 0.4347 by changing the saturation by 10% instead.


 11.7500, 0.3129,
0.4347

 11.7500, 0.3129,
0.4347


 202.7431, 0.3144,
0.3672


 6.5737, 0.3109,
0.4600


 29.0390, 0.3142,
0.4051


 3.1969, 0.3061,
0.5004

 41.9204, 0.3145,
0.3957


 1.2354, 0.3286,
0.6666

 58.1390, 0.3145,
0.3883

 0.0903, 0.0000,
1.0000

 78.0791, 0.3146,
0.3825

 0.0000, 0.0000,
0.0000

 102.1252, 0.3145,
0.3776

 130.6616, 0.3145,

0.3736

164.0728, 0.3145,
0.3702

■ 11.7500, 0.3129,
0.4347

■ 11.7500, 0.3129,
0.4347

■ 11.3213, 0.3122,
0.4674

■ 12.2575, 0.3132,
0.4034

■ 10.9660, 0.3112,
0.5001

■ 12.8459, 0.3132,
0.3744

■ 10.6805, 0.3097,
0.5308


■ 13.5191, 0.3130,
0.3482

■ 10.4601, 0.3079,
0.5576

■ 14.2802, 0.3126,
0.3248


■ 10.2996, 0.3058,
0.5783

■ 15.1323, 0.3122,
0.3042

 10.1891, 0.3041,
0.5939

 16.0783, 0.3116,
0.2861

 10.1723, 0.3041,
0.5968

 17.1208, 0.3111,
0.2704

 18.2626, 0.3105,
0.2567

 19.5062, 0.3099,
0.2447

Harmonies

Analogous

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



11.7500, 0.3735, 0.4425



11.7500, 0.3129, 0.4347



11.7500, 0.2554, 0.3869

Triad

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



11.7500, 0.3129, 0.4347



11.7500, 0.2118, 0.2377



11.7500, 0.4190, 0.3225

Complementary

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



11.7500, 0.3129, 0.4347



7.5695, 0.3096, 0.2388

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.



11.7500, 0.3667, 0.2788



11.7500, 0.3129, 0.4347



11.7500, 0.2467, 0.2315

Square

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



11.7500, 0.3129, 0.4347



11.7500, 0.2011, 0.2678



11.7500, 0.3022, 0.2465



11.7500, 0.4386, 0.3708

Rectangle

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



11.7500, 0.3129, 0.4347



11.7500, 0.2264, 0.3434



11.7500, 0.3022, 0.2465



11.7500, 0.4044, 0.3071

Sweetspot

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



11.7505, 0.3129, 0.4347



23.7990, 0.3131, 0.3563



12.6944, 0.3691, 0.4098



5.5483, 0.3131, 0.3587



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.



11.7505, 0.3129, 0.4347



20.3235, 0.3123, 0.4648



11.8229, 0.2892, 0.3922



3.4578, 0.3130, 0.3504



12.8681, 0.3036, 0.5971



65.3812, 0.3019, 0.5985

Inverse Universe

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



7.5695, 0.3096, 0.2388



11.6310, 0.3083, 0.2178



7.5053, 0.3471, 0.2737



3.1494, 0.3123, 0.3084



4.3358, 0.2971, 0.1410



21.8808, 0.2957, 0.1402

Previews

White Background



This preview shows how the Yxy color 11.7500, 0.3129, 0.4347 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 11.7500, 0.3129, 0.4347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

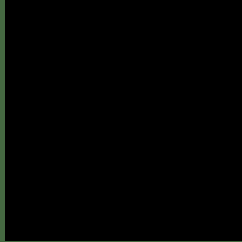
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7500, 0.3129, 0.4347

Background



This preview shows how black text looks on a background with the Yxy color 11.7500, 0.3129, 0.4347.



This preview shows how white text looks on a background with the Yxy color 11.7500, 0.3129, 0.4347.

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

11.7500, 0.3129, 0.4347

Protanopia

11.6457, 0.3769, 0.4090

Deuteranopia

11.6491, 0.3865, 0.3813



Tritanopia

11.7748, 0.2716, 0.3097

Trichromacy



Original Color

11.7500, 0.3129, 0.4347

Protanomaly

11.4956, 0.3519, 0.4194

Deuteranomaly

11.5513, 0.3576, 0.4001

Tritanomaly

11.7313, 0.2870, 0.3541

Monochromacy



Original Color

11.7500, 0.3129, 0.4347

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.5723, 0.3126, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7500, 0.3129, 0.4347 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, 105, 65)` looks like.

```
.text, #text, p{  
    color:rgb(69, 105, 65)  
}
```

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, 105, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 105, 65) }
```

Border

The CSS property to change the border of an element to Yxy 11.7500, 0.3129, 0.4347 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, 105, 65) }
```

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

```
.border{ border-color:rgb(69, 105, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 105, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 105, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 105, 65);  
box-shadow:4px 4px 4px 4px rgb(69, 105,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7500, 0.3129, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 105, 65) }
```

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

```
.background{ background-color: rgb(69, 105,  
65) }
```

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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