

Converting Colors

$Y_{xy}(11.6601, 0.4146, 0.4322)$

Have a look what the booklet for
Yxy(11.6601, 0.4146, 0.4322)
contains.

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Color

Yxy(11.6396, 0.4142, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	705E2D
RGB	112, 94, 45
RGB Percent	44%, 37%, 18%
CMY	0.5608, 0.6313, 0.8236
CMYK	0.00, 0.16, 0.60, 0.56
HSL	44°, 43%, 31%
HSV	44°, 60%, 44%
XYZ	11.1574, 11.6396, 4.1403
YIQ	93.7960, 26.4570, -11.4230

Conversions

Conversions Part 2

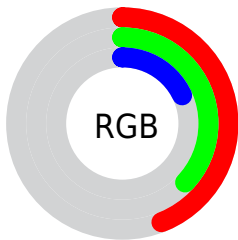
Format	Color
RYB	70, 112, 45
Decimal	7364141
CIELab	40.64, 0.69, 30.40
CIELCh	41, 30.405, 88.696
Yxy	11.6396, 0.4142, 0.4321
Android (android.graphics.Color)	4285554221 (0xFF705E2D)
YUV	93.7960, -24.0564, 15.9649
Hunter-Lab	34.1169, -1.3287, 16.6866

Details

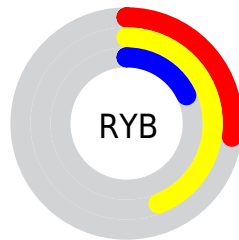
The Yxy color **11.6396, 0.4142, 0.4321** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.2796, 0.2133, 0.1948**, and the grayscale version is **11.1958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8262, 0.3909, 0.4078**, and **3.1380, 0.4593, 0.4735** is the 20% darker color. If you saturate the color by 10%, you get **11.0407, 0.4315, 0.4450**, and if you desaturate by 10%, it is **12.2833, 0.3960, 0.4167**.

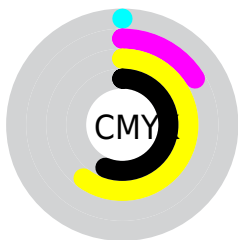
Distribution



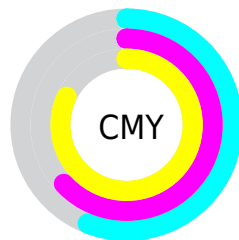
- Red (44%)
- Green (37%)
- Blue (18%)



- Red (27%)
- Yellow (44%)
- Blue (18%)



- Cyan (0%)
- Magenta (16%)
- Yellow (60%)
- Black (56%)




- Cyan (56%)
- Magenta (63%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6396, 0.4142, 0.4321 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 11.6396, 0.4142, 0.4321 by changing the saturation by 10% instead.


 11.6396, 0.4142,
0.4321


 11.6396, 0.4142,
0.4321


 202.0045, 0.3538,
0.3711


 6.4988, 0.4321,
0.4500


 28.8370, 0.3898,
0.4076


 3.1507, 0.4634,
0.4812

 41.6623, 0.3814,
0.3990

 1.2109, 0.4918,
0.5082

 57.8180, 0.3746,
0.3921

 0.0706, 0.5433,
0.4567

 77.6883, 0.3689,
0.3864

 0.0000, 0.0000,
0.0000

 101.6578, 0.3642,
0.3816

 130.1107, 0.3602,

0.3776

163.4315, 0.3568,
0.3741

■ 11.6396, 0.4142,
0.4321

■ 11.6396, 0.4142,
0.4321

■ 11.0407, 0.4315,
0.4450

■ 12.2833, 0.3960,
0.4167

■ 10.4830, 0.4473,
0.4543

■ 12.9720, 0.3778,
0.3996

■ 9.9644, 0.4608,
0.4596

■ 13.7081, 0.3600,
0.3816

■ 9.4765, 0.4731,
0.4623

■ 14.4932, 0.3430,
0.3635

■ 9.4682, 0.4733,
0.4624

■ 15.3286, 0.3271,
0.3458

■ 16.2160, 0.3125,
0.3287

■ 17.1565, 0.2991,
0.3126

■ 18.1515, 0.2870,
0.2975

■ 19.2023, 0.2761,
0.2835

Harmonies

Analogous

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



11.6396, 0.4450, 0.3879



11.6396, 0.4142, 0.4321



11.6396, 0.3577, 0.4529

Triad

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



11.6396, 0.4142, 0.4321



11.6396, 0.2020, 0.3007



11.6396, 0.3223, 0.2503

Complementary

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



11.6396, 0.4142, 0.4321



5.2796, 0.2133, 0.1948

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.



11.6396, 0.2584, 0.2284



11.6396, 0.4142, 0.4321



11.6396, 0.1950, 0.2508

Square

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



11.6396, 0.4142, 0.4321



11.6396, 0.2359, 0.3699



11.6396, 0.2143, 0.2274



11.6396, 0.3902, 0.2887

Rectangle

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



11.6396, 0.4142, 0.4321



11.6396, 0.3141, 0.4437



11.6396, 0.2143, 0.2274



11.6396, 0.2995, 0.2409

Sweetspot

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



11.6402, 0.4142, 0.4321



25.6590, 0.3408, 0.3611



5.6901, 0.4331, 0.2884



6.0845, 0.3446, 0.3653



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.



11.6402, 0.4142, 0.4321



18.9927, 0.4382, 0.4492



14.3432, 0.3718, 0.4742



3.7722, 0.3259, 0.3443



10.9094, 0.4738, 0.4620



52.8681, 0.4775, 0.4590

Inverse Universe

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



5.2796, 0.2133, 0.1948



6.7506, 0.1910, 0.1581



3.9912, 0.2235, 0.1566



3.4327, 0.2996, 0.3132



2.3946, 0.1607, 0.0986



10.6796, 0.1583, 0.0899

Previews

White Background



This preview shows how the Yxy color 11.6396, 0.4142, 0.4321 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 11.6396, 0.4142, 0.4321 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 11.6396, 0.4142, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 11.6396, 0.4142, 0.4321.



This preview shows how white text looks on a background with the Yxy color 11.6396, 0.4142, 0.4321.

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

11.6396, 0.4142, 0.4321

Protanopia

11.6272, 0.4005, 0.4385

Deuteranopia

11.5310, 0.4267, 0.4204



Tritanopia

11.6840, 0.3477, 0.3164

Trichromacy



Original Color

11.6396, 0.4142, 0.4321

Protanomaly

11.5698, 0.4050, 0.4351

Deuteranomaly

11.5646, 0.4221, 0.4237

Tritanomaly

11.6628, 0.3745, 0.3595

Monochromacy



Original Color

11.6396, 0.4142, 0.4321

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2939, 0.3509, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6396, 0.4142, 0.4321 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(112, 94, 45)` looks like.

```
.text, #text, p{  
    color:rgb(112, 94, 45)  
}
```

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(112, 94, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 94, 45) }
```

Border

The CSS property to change the border of an element to Yxy 11.6396, 0.4142, 0.4321 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(112, 94, 45) }
```

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

```
.border{ border-color:rgb(112, 94, 45) }
```

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

Here you see how a box with a 4 pixel rgb(112, 94, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 94, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 94, 45);  
box-shadow:4px 4px 4px 4px rgb(112, 94,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6396, 0.4142, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 94, 45) }
```

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

```
.background{ background-color: rgb(112, 94,  
45) }
```

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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