

Converting Colors

$Y_{xy}(12.8603, 0.4326, 0.4786)$

Have a look what the booklet for
Yxy(12.8603, 0.4326, 0.4786)
contains.

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Color

Yxy(12.9252, 0.4327, 0.4782)

Conversions

Conversions Part 1

Format	Color
Hex	726511
RGB	114, 101, 17
RGB Percent	45%, 40%, 7%
CMY	0.5529, 0.6039, 0.9334
CMYK	0.00, 0.11, 0.85, 0.55
HSL	52°, 74%, 26%
HSV	52°, 85%, 45%
XYZ	11.6954, 12.9252, 2.4083
YIQ	95.3110, 34.7120, -23.3680

Conversions

Conversions Part 2

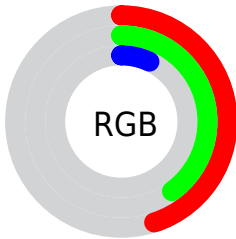
Format	Color
R_{YB}	32, 114, 17
Decimal	7496977
CIE _{Lab}	42.65, -4.11, 44.98
CIE _{LCh}	43, 45.168, 95.222
Yxy	12.9252, 0.4327, 0.4782
Android (android.graphics.Color)	4285687057 (0xFF726511)
YUV	95.3110, -38.6073, 16.3903
Hunter-Lab	35.9516, -4.8477, 21.1945

Details

The Yxy color **12.9252, 0.4327, 0.4782** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2631, 0.1685, 0.1021**, and the grayscale version is **11.6111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3212, 0.4086, 0.4465**, and **3.7565, 0.4378, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **12.6034, 0.4403, 0.4834**, and if you desaturate by 10%, it is **13.2708, 0.4228, 0.4692**.

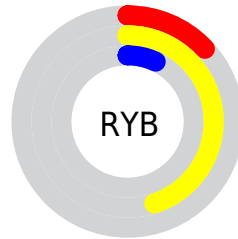
Distribution



Red (45%)

Green (40%)

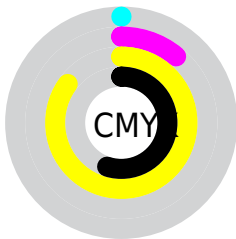
Blue (7%)



Red (13%)

Yellow (45%)

Blue (7%)

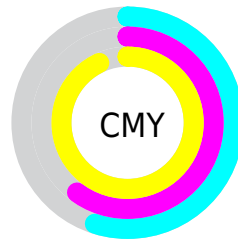


Cyan (0%)

Magenta (11%)

Yellow (85%)

Black (55%)



Cyan (55%)


Magenta (60%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9252, 0.4327, 0.4782 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 12.9252, 0.4327, 0.4782 by changing the saturation by 10% instead.


 12.9252, 0.4327,
0.4782


 12.9252, 0.4327,
0.4782


210.4377, 0.3667,
0.3933


 7.3771, 0.4472,
0.4993


 31.1693, 0.4088,
0.4462


 3.6990, 0.4686,
0.5314

 44.6341, 0.3996,
0.4343

 1.5067, 0.4620,
0.5380

 61.5066, 0.3918,
0.4244

 0.2934, 0.3783,
0.6217


 82.1711, 0.3851,
0.4161


 0.0000, 0.0000,
0.0000

 107.0121, 0.3795,
0.4091

 136.4139, 0.3746,


0.4030


 170.7610, 0.3704,
0.3978


 12.9252, 0.4327,
0.4782


 12.9252, 0.4327,
0.4782


 12.6034, 0.4403,
0.4834


 13.2708, 0.4228,
0.4692

 12.4489, 0.4439,
0.4857

 13.6422, 0.4107,
0.4563

 14.0420, 0.3968,
0.4403

 14.4722, 0.3817,
0.4217

 14.9343, 0.3659,
0.4016

■ 15.4300, 0.3501,
0.3807

■ 15.9606, 0.3347,
0.3597

■ 16.5275, 0.3199,
0.3392

■ 17.1319, 0.3060,
0.3195

Harmonies

Analogous

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



12.9252, 0.4900, 0.4151



12.9252, 0.4327, 0.4782



12.9252, 0.3491, 0.5090

Triad

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



12.9252, 0.4327, 0.4782



12.9252, 0.1576, 0.2661



12.9252, 0.3459, 0.2318

Complementary

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



12.9252, 0.4327, 0.4782



2.2631, 0.1685, 0.1021

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.



12.9252, 0.2529, 0.1982



12.9252, 0.4327, 0.4782



12.9252, 0.1576, 0.2094

Square

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



12.9252, 0.4327, 0.4782



12.9252, 0.1917, 0.3630



12.9252, 0.1889, 0.1893



12.9252, 0.4420, 0.2845

Rectangle

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



12.9252, 0.4327, 0.4782



12.9252, 0.2893, 0.4899



12.9252, 0.1889, 0.1893



12.9252, 0.3127, 0.2181

Sweetspot

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



12.9258, 0.4327, 0.4782



26.9680, 0.3526, 0.3840



4.0807, 0.5599, 0.3089



6.1837, 0.3567, 0.3895



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.



12.9258, 0.4327, 0.4782



21.7412, 0.4446, 0.4852



13.7856, 0.3640, 0.5320



3.8437, 0.3256, 0.3471



13.8377, 0.4440, 0.4856



68.0189, 0.4456, 0.4844

Inverse Universe

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



2.2631, 0.1685, 0.1021



2.6295, 0.1534, 0.0722



2.3184, 0.1996, 0.1006



3.3660, 0.2996, 0.3103



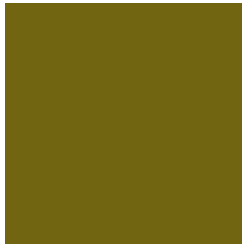
1.7252, 0.1540, 0.0745



7.8346, 0.1524, 0.0687

Previews

White Background



This preview shows how the Yxy color 12.9252, 0.4327, 0.4782 looks on a white background.

Color Contrast Check

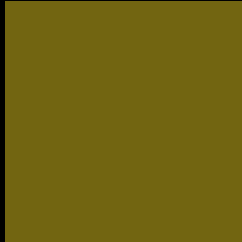
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9252, 0.4327, 0.4782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

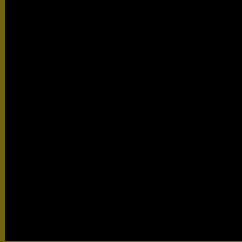
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9252, 0.4327, 0.4782

Background



This preview shows how black text looks on a background with the Yxy color 12.9252, 0.4327, 0.4782.



This preview shows how white text looks on a background with the Yxy color 12.9252, 0.4327, 0.4782.

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

12.9252, 0.4327, 0.4782

Protanopia

12.9252, 0.4327, 0.4782

Deuteranopia

12.9319, 0.4583, 0.4534



Tritanopia

12.9381, 0.3430, 0.3148

Trichromacy



Original Color

12.9252, 0.4327, 0.4782

Protanomaly

12.9252, 0.4327, 0.4782

Deuteranomaly

12.9234, 0.4481, 0.4625

Tritanomaly

12.8431, 0.3860, 0.3858

Monochromacy



Original Color

12.9252, 0.4327, 0.4782

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7794, 0.3642, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9252, 0.4327, 0.4782 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(114, 101, 17)` looks like.

```
.text, #text, p{  
    color:rgb(114, 101, 17)  
}
```

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(114, 101, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 101, 17) }
```

Border

The CSS property to change the border of an element to Yxy 12.9252, 0.4327, 0.4782 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(114, 101, 17) }
```

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

```
.border{ border-color:rgb(114, 101, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 101, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 101, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 101, 17);  
box-shadow:4px 4px 4px 4px rgb(114, 101,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9252, 0.4327, 0.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 101, 17) }
```

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

```
.background{ background-color: rgb(114,  
101, 17) }
```

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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