

Converting Colors

$Y_{xy}(12.4963, 0.4325, 0.4782)$

Have a look what the booklet for
Yxy(12.4963, 0.4325, 0.4782)
contains.

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Color

Yxy(12.4089, 0.4327, 0.4775)

Conversions

Conversions Part 1

Format	Color
Hex	706311
RGB	112, 99, 17
RGB Percent	44%, 39%, 7%
CMY	0.5608, 0.6117, 0.9332
CMYK	0.00, 0.12, 0.85, 0.56
HSL	52°, 74%, 25%
HSV	52°, 85%, 44%
XYZ	11.2447, 12.4089, 2.3337
YIQ	93.5390, 34.0700, -22.7460

Conversions

Conversions Part 2

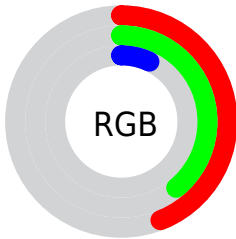
Format	Color
R_{YB}	32, 112, 17
Decimal	7365393
CIE _{Lab}	41.86, -3.94, 44.20
CIE _{LCh}	42, 44.376, 95.088
Yxy	12.4089, 0.4327, 0.4775
Android (android.graphics.Color)	4285555473 (0xFF706311)
YUV	93.5390, -37.7337, 16.1903
Hunter-Lab	35.2263, -4.6665, 20.7306

Details

The Yxy color **12.4089, 0.4327, 0.4775** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2183, 0.1692, 0.1036**, and the grayscale version is **11.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1401, 0.4089, 0.4440**, and **3.5383, 0.4410, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **12.0942, 0.4405, 0.4829**, and if you desaturate by 10%, it is **12.7469, 0.4226, 0.4684**.

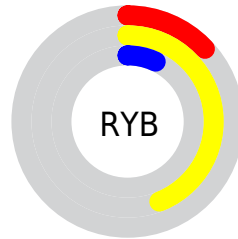
Distribution



Red (44%)

Green (39%)

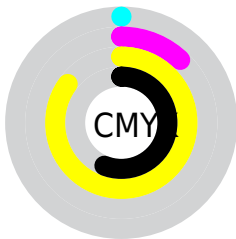
Blue (7%)



Red (13%)

Yellow (44%)

Blue (7%)

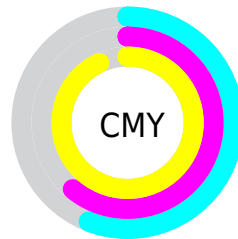


Cyan (0%)

Magenta (12%)

Yellow (85%)

Black (56%)



Cyan (56%)

Magenta (61%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4089, 0.4327, 0.4775 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 12.4089, 0.4327, 0.4775 by changing the saturation by 10% instead.

12.4089, 0.4327,
0.4775

12.4089, 0.4327,
0.4775

207.0938, 0.3662,
0.3925

7.0228, 0.4477,
0.4990

30.2377, 0.4085,
0.4452

3.4764, 0.4690,
0.5310

43.4491, 0.3991,
0.4333

1.3852, 0.4624,
0.5376

60.0378, 0.3913,
0.4234

0.2058, 0.3260,
0.6740


80.3882, 0.3846,
0.4151


0.0000, 0.0000,
0.0000


104.8846, 0.3790,
0.4081

133.9114, 0.3741,

0.4021


 167.8530, 0.3699,
0.3970


 12.4089, 0.4327,
0.4775


 12.4089, 0.4327,
0.4775


 12.0942, 0.4405,
0.4829


 12.7469, 0.4226,
0.4684

 11.9341, 0.4444,
0.4854

 13.1098, 0.4104,
0.4554

 13.5003, 0.3963,
0.4393

 13.9202, 0.3812,
0.4207

 14.3710, 0.3654,
0.4007

■ 14.8542, 0.3496,
0.3798

■ 15.3712, 0.3342,
0.3589

■ 15.9232, 0.3195,
0.3385

■ 16.5115, 0.3056,
0.3189

Harmonies

Analogous

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



12.4089, 0.4895, 0.4146



12.4089, 0.4327, 0.4775



12.4089, 0.3495, 0.5082

Triad

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



12.4089, 0.4327, 0.4775



12.4089, 0.1581, 0.2668



12.4089, 0.3453, 0.2319

Complementary

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



12.4089, 0.4327, 0.4775



2.2183, 0.1692, 0.1036

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.



12.4089, 0.2528, 0.1986



12.4089, 0.4327, 0.4775



12.4089, 0.1580, 0.2100

Square

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



12.4089, 0.4327, 0.4775



12.4089, 0.1923, 0.3633



12.4089, 0.1891, 0.1898



12.4089, 0.4411, 0.2844

Rectangle

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



12.4089, 0.4327, 0.4775



12.4089, 0.2898, 0.4894



12.4089, 0.1891, 0.1898



12.4089, 0.3122, 0.2183

Sweetspot

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



12.4095, 0.4327, 0.4775



26.0235, 0.3510, 0.3816



3.9463, 0.5581, 0.3088



6.1955, 0.3553, 0.3873



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.



12.4095, 0.4327, 0.4775



20.8384, 0.4451, 0.4848



13.2792, 0.3641, 0.5313



3.8423, 0.3256, 0.3470



13.7743, 0.4446, 0.4852



67.6888, 0.4462, 0.4839

Inverse Universe

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



2.2183, 0.1692, 0.1036



2.5512, 0.1536, 0.0727



2.2562, 0.2003, 0.1015



3.3673, 0.2996, 0.3103



1.7347, 0.1541, 0.0749



7.8713, 0.1525, 0.0689

Previews

White Background



This preview shows how the Yxy color 12.4089, 0.4327, 0.4775 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 12.4089, 0.4327, 0.4775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

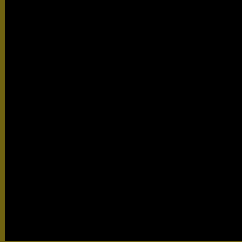
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4089, 0.4327, 0.4775

Background



This preview shows how black text looks on a background with the Yxy color 12.4089, 0.4327, 0.4775.



This preview shows how white text looks on a background with the Yxy color 12.4089, 0.4327, 0.4775.

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

12.4089, 0.4327, 0.4775

Protanopia

12.3437, 0.4311, 0.4786

Deuteranopia

12.4159, 0.4594, 0.4532



Tritanopia

12.4067, 0.3436, 0.3146

Trichromacy



Original Color

12.4089, 0.4327, 0.4775

Protanomaly

12.3437, 0.4311, 0.4786

Deuteranomaly

12.4058, 0.4490, 0.4624

Tritanomaly

12.3271, 0.3859, 0.3846

Monochromacy



Original Color

12.4089, 0.4327, 0.4775

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.5258, 0.3647, 0.3991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4089, 0.4327, 0.4775 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, 99, 17)` looks like.

```
.text, #text, p{  
  color:rgb(112, 99, 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(112, 99, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 99, 17) }
```

Border

The CSS property to change the border of an element to Yxy 12.4089, 0.4327, 0.4775 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, 99, 17) }
```

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

```
.border{ border-color:rgb(112, 99, 17) }
```

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

Here you see how a box with a 4 pixel rgb(112, 99, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 99, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 99, 17);  
box-shadow:4px 4px 4px 4px rgb(112, 99,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4089, 0.4327, 0.4775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 99, 17) }
```

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

```
.background{ background-color: rgb(112, 99,  
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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