

Converting Colors

$Y_{xy}(12.8767, 0.4322, 0.4721)$

Have a look what the booklet for
Yxy(12.8767, 0.4322, 0.4721)
contains.

Yxy(12.8171, 0.4328, 0.4712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.8171, 0.4328, 0.4712)

Conversions

Conversions Part 1

Format	Color
Hex	736416
RGB	115, 100, 22
RGB Percent	45%, 39%, 9%
CMY	0.5490, 0.6078, 0.9138
CMYK	0.00, 0.13, 0.81, 0.55
HSL	50°, 68%, 27%
HSV	50°, 81%, 45%
XYZ	11.7726, 12.8171, 2.6113
YIQ	95.5930, 33.9780, -21.0780

Conversions

Conversions Part 2

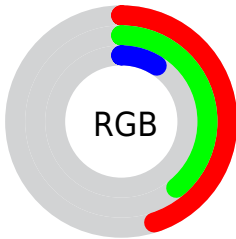
Format	Color
R_{YB}	40, 115, 22
Decimal	7562262
CIE _{Lab}	42.49, -2.86, 43.16
CIE _{LCh}	42, 43.257, 93.789
Yxy	12.8171, 0.4328, 0.4712
Android (android.graphics.Color)	4285752342 (0xFF736416)
YUV	95.5930, -36.2813, 17.0199
Hunter-Lab	35.8010, -3.9548, 20.7361

Details

The Yxy color **12.8171, 0.4328, 0.4712** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.7303, 0.1750, 0.1169**, and the grayscale version is **11.6767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1471, 0.4082, 0.4413**, and **3.7283, 0.4459, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **12.4310, 0.4421, 0.4775**, and if you desaturate by 10%, it is **13.2323, 0.4210, 0.4608**.

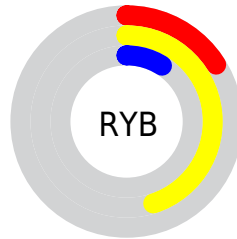
Distribution



Red (45%)

Green (39%)

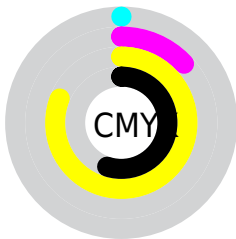
Blue (9%)



Red (16%)

Yellow (45%)

Blue (9%)

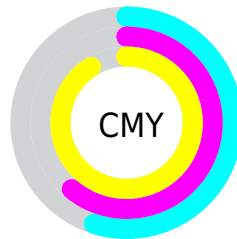


Cyan (0%)

Magenta (13%)

Yellow (81%)

Black (55%)



Cyan (55%)

Magenta (61%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8171, 0.4328, 0.4712 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 12.8171, 0.4328, 0.4712 by changing the saturation by 10% instead.

■ 12.8171, 0.4328,
0.4712

■ 12.8171, 0.4328,
0.4712

■ 209.7421, 0.3658,
0.3901

■ 7.3027, 0.4482,
0.4914

■ 30.9748, 0.4081,
0.4404

■ 3.6521, 0.4743,
0.5257

■ 44.3869, 0.3987,
0.4290

■ 1.4809, 0.4697,
0.5303

■ 61.2004, 0.3908,
0.4196

■ 0.2753, 0.4107,
0.5893


■ 81.7996, 0.3842,
0.4117


■ 0.0000, 0.0000,
0.0000


■ 106.5690, 0.3786,
0.4051


■ 135.8930, 0.3737,


0.3993

 170.1559, 0.3695,
0.3944

 12.8171, 0.4328,
0.4712


 12.8171, 0.4328,
0.4712

 12.4310, 0.4421,
0.4775


 13.2323, 0.4210,
0.4608

 12.0946, 0.4495,
0.4813

 13.6771, 0.4073,
0.4469

 14.1543, 0.3921,
0.4300

 14.6657, 0.3761,
0.4111

 15.2130, 0.3599,
0.3911

■ 15.7976, 0.3439,
0.3706

■ 16.4211, 0.3285,
0.3503

■ 17.0848, 0.3140,
0.3307

■ 17.7899, 0.3004,
0.3120

Harmonies

Analogous

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



12.8171, 0.4856, 0.4104



12.8171, 0.4328, 0.4712



12.8171, 0.3529, 0.5016

Triad

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



12.8171, 0.4328, 0.4712



12.8171, 0.1633, 0.2726



12.8171, 0.3402, 0.2329

Complementary

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



12.8171, 0.4328, 0.4712



2.7303, 0.1750, 0.1169

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.



12.8171, 0.2515, 0.2013



12.8171, 0.4328, 0.4712



12.8171, 0.1616, 0.2154

Square

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



12.8171, 0.4328, 0.4712



12.8171, 0.1986, 0.3670



12.8171, 0.1908, 0.1940



12.8171, 0.4331, 0.2836

Rectangle

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



12.8171, 0.4328, 0.4712



12.8171, 0.2949, 0.4852



12.8171, 0.1908, 0.1940



12.8171, 0.3085, 0.2199

Sweetspot

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



12.8177, 0.4328, 0.4712



27.8863, 0.3498, 0.3783



4.3548, 0.5392, 0.3050



6.5812, 0.3544, 0.3842



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.8177, 0.4328, 0.4712



21.6930, 0.4483, 0.4799



14.2052, 0.3663, 0.5239



4.1706, 0.3257, 0.3467



13.7996, 0.4497, 0.4811



66.1992, 0.4516, 0.4796

Inverse Universe

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



2.7303, 0.1750, 0.1169



3.0786, 0.1566, 0.0801



2.5675, 0.2031, 0.1075



3.6766, 0.2995, 0.3107



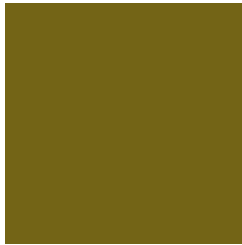
1.9063, 0.1550, 0.0781



8.4340, 0.1533, 0.0718

Previews

White Background



This preview shows how the Yxy color 12.8171, 0.4328, 0.4712 looks on a white background.

Color Contrast Check

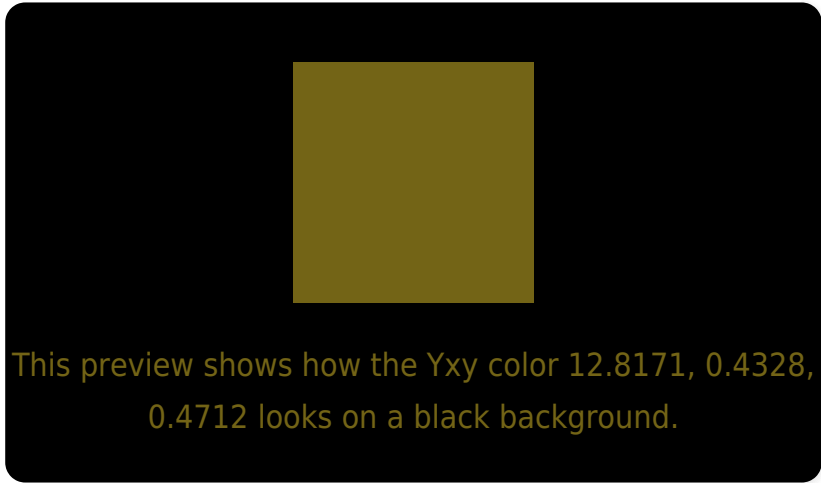
Large Text (above 18pt) WCAG AA ✓ Pass

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

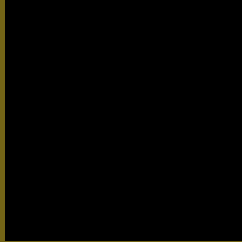
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8171, 0.4328, 0.4712

Background



This preview shows how black text looks on a background with the Yxy color 12.8171, 0.4328, 0.4712.



This preview shows how white text looks on a background with the Yxy color 12.8171, 0.4328, 0.4712.

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

12.8171, 0.4328, 0.4712

Protanopia

12.8760, 0.4281, 0.4748

Deuteranopia

12.6860, 0.4564, 0.4501



Tritanopia

12.7419, 0.3448, 0.3148

Trichromacy



Original Color

12.8171, 0.4328, 0.4712

Protanomaly

12.9427, 0.4297, 0.4738

Deuteranomaly

12.7488, 0.4477, 0.4583

Tritanomaly

12.6852, 0.3838, 0.3797

Monochromacy



Original Color

12.8171, 0.4328, 0.4712

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8626, 0.3630, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8171, 0.4328, 0.4712 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(115, 100, 22)` looks like.

```
.text, #text, p{  
    color:rgb(115, 100, 22)  
}
```

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(115, 100, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 100, 22) }
```

Border

The CSS property to change the border of an element to Yxy 12.8171, 0.4328, 0.4712 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(115, 100, 22) }
```

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

```
.border{ border-color:rgb(115, 100, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 100, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 100, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 100, 22);  
box-shadow:4px 4px 4px 4px rgb(115, 100,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8171, 0.4328, 0.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 100, 22) }
```

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

```
.background{ background-color: rgb(115,  
100, 22) }
```

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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