

Converting Colors

$Y_{xy}(12.6516, 0.4372, 0.4409)$

Have a look what the booklet for
Yxy(12.6516, 0.4372, 0.4409)
contains.

Yxy(12.6369, 0.4369, 0.4402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6369, 0.4369, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	7A6025
RGB	122, 96, 37
RGB Percent	48%, 38%, 15%
CMY	0.5216, 0.6235, 0.8549
CMYK	0.00, 0.21, 0.70, 0.52
HSL	42°, 53%, 31%
HSV	42°, 70%, 48%
XYZ	12.5422, 12.6369, 3.5281
YIQ	97.0480, 34.4350, -12.8370

Conversions

Conversions Part 2

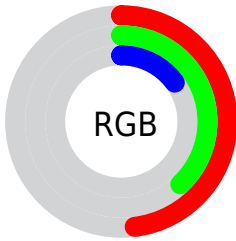
Format	Color
R_{YB}	74, 122, 37
Decimal	8020005
CIE _{Lab}	42.21, 3.65, 36.60
CIE _{LCh}	42, 36.783, 84.312
Yxy	12.6369, 0.4369, 0.4402
Android (android.graphics.Color)	4286210085 (0xFF7A6025)
YUV	97.0480, -29.6037, 21.8829
Hunter-Lab	35.5484, 0.7685, 18.9995

Details

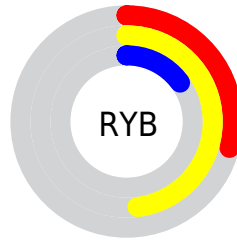
The Yxy color **12.6369, 0.4369, 0.4402** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.3517, 0.1982, 0.1753**, and the grayscale version is **12.0345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5608, 0.4087, 0.4157**, and **3.5833, 0.4732, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **11.9086, 0.4542, 0.4489**, and if you desaturate by 10%, it is **13.4243, 0.4181, 0.4280**.

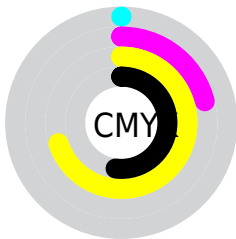
Distribution



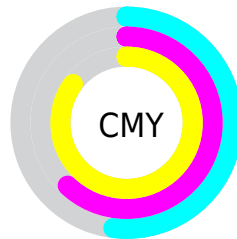
- Red (48%)
- Green (38%)
- Blue (15%)



- Red (29%)
- Yellow (48%)
- Blue (15%)



- Cyan (0%)
- Magenta (21%)
- Yellow (70%)
- Black (52%)




- Cyan (52%)
- Magenta (62%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6369, 0.4369, 0.4402 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 12.6369, 0.4369, 0.4402 by changing the saturation by 10% instead.


 12.6369, 0.4369,
0.4402

 12.6369, 0.4369,
0.4402


208.5773, 0.3646,
0.3771


 7.1790, 0.4568,
0.4562


 30.6499, 0.4086,
0.4162


 3.5743, 0.4956,
0.4883

 43.9738, 0.3984,
0.4074

 1.4384, 0.5095,
0.4905

 60.6884, 0.3902,
0.4001

 0.2448, 0.5679,
0.4321

 81.1783, 0.3833,
0.3939

 0.0000, 0.0000,
0.0000

 105.8277, 0.3775,
0.3888

 135.0211, 0.3726,

0.3843

169.1428, 0.3683,
0.3805

12.6369, 0.4369,
0.4402

12.6369, 0.4369,
0.4402

11.9086, 0.4542,
0.4489

13.4243, 0.4181,
0.4280

11.2346, 0.4692,
0.4532

14.2718, 0.3987,
0.4131

10.6061, 0.4826,
0.4546

15.1824, 0.3795,
0.3966

10.5860, 0.4831,
0.4546

16.1584, 0.3609,
0.3793

17.2020, 0.3433,
0.3619

■ 18.3151, 0.3271,
0.3448

■ 19.4996, 0.3123,
0.3285

■ 20.7573, 0.2988,
0.3131

■ 22.0899, 0.2867,
0.2987

Harmonies

Analogous

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



12.6369, 0.4689, 0.3857



12.6369, 0.4369, 0.4402



12.6369, 0.3737, 0.4739

Triad

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



12.6369, 0.4369, 0.4402



12.6369, 0.1886, 0.3051



12.6369, 0.3113, 0.2337

Complementary

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



12.6369, 0.4369, 0.4402



5.3517, 0.1982, 0.1753

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.



12.6369, 0.2402, 0.2120



12.6369, 0.4369, 0.4402



12.6369, 0.1770, 0.2435

Square

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



12.6369, 0.4369, 0.4402



12.6369, 0.2307, 0.3896



12.6369, 0.1945, 0.2138



12.6369, 0.3927, 0.2746

Rectangle

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



12.6369, 0.4369, 0.4402



12.6369, 0.3235, 0.4707



12.6369, 0.1945, 0.2138



12.6369, 0.2853, 0.2241

Sweetspot

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



12.6375, 0.4369, 0.4402



29.9210, 0.3465, 0.3650



5.8293, 0.4599, 0.2790



6.7492, 0.3502, 0.3688



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.6375, 0.4369, 0.4402



20.1889, 0.4640, 0.4522



17.1405, 0.3819, 0.4928



4.4369, 0.3262, 0.3438



11.1316, 0.4833, 0.4545



51.5418, 0.4875, 0.4512

Inverse Universe

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



5.3517, 0.1982, 0.1753



6.5674, 0.1766, 0.1359



3.4736, 0.2016, 0.1246



4.0750, 0.2994, 0.3137



2.8787, 0.1630, 0.1067



12.3909, 0.1606, 0.0980

Previews

White Background



This preview shows how the Yxy color 12.6369, 0.4369, 0.4402 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 12.6369, 0.4369, 0.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

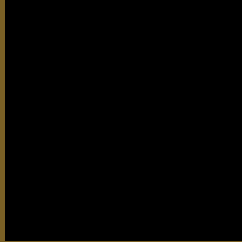
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6369, 0.4369, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 12.6369, 0.4369, 0.4402.



This preview shows how white text looks on a background with the Yxy color 12.6369, 0.4369, 0.4402.

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

12.6369, 0.4369, 0.4402

Protanopia

12.6338, 0.4128, 0.4550

Deuteranopia

12.6780, 0.4430, 0.4360



Tritanopia

12.6110, 0.3603, 0.3152

Trichromacy



Original Color

12.6369, 0.4369, 0.4402

Protanomaly

12.7085, 0.4206, 0.4498

Deuteranomaly

12.6031, 0.4415, 0.4368

Tritanomaly

12.5223, 0.3936, 0.3636

Monochromacy



Original Color

12.6369, 0.4369, 0.4402

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.1216, 0.3590, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6369, 0.4369, 0.4402 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(122, 96, 37)` looks like.

```
.text, #text, p{  
    color:rgb(122, 96, 37)  
}
```

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(122, 96, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 96, 37) }
```

Border

The CSS property to change the border of an element to Yxy 12.6369, 0.4369, 0.4402 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(122, 96, 37) }
```

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

```
.border{ border-color:rgb(122, 96, 37) }
```

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

Here you see how a box with a 4 pixel rgb(122, 96, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 96, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 96, 37);  
box-shadow:4px 4px 4px 4px rgb(122, 96,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6369, 0.4369, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 96, 37) }
```

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

```
.background{ background-color: rgb(122, 96,  
37) }
```

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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