

Converting Colors

$Y_{xy}(12.7991, 0.4240, 0.4203)$

Have a look what the booklet for
Yxy(12.7991, 0.4240, 0.4203)
contains.

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Color

Yxy(12.7984, 0.4245, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	7B6031
RGB	123, 96, 49
RGB Percent	48%, 38%, 19%
CMY	0.5177, 0.6235, 0.8078
CMYK	0.00, 0.22, 0.60, 0.52
HSL	38°, 43%, 34%
HSV	38°, 60%, 48%
XYZ	12.9048, 12.7984, 4.6968
YIQ	98.7150, 31.1790, -8.8930

Conversions

Conversions Part 2

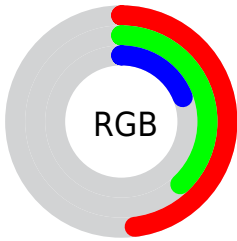
Format	Color
RYB	92, 123, 49
Decimal	8085553
CIELab	42.46, 5.01, 30.65
CIELCh	42, 31.055, 80.714
Yxy	12.7984, 0.4245, 0.4210
Android (android.graphics.Color)	4286275633 (0xFF7B6031)
YUV	98.7150, -24.5095, 21.2979
Hunter-Lab	35.7749, 1.7830, 17.2583

Details

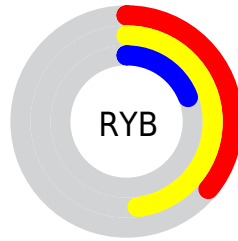
The Yxy color **12.7984, 0.4245, 0.4210** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2511, 0.2157, 0.2107**, and the grayscale version is **12.4592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8858, 0.3982, 0.3994**, and **3.6633, 0.4750, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **11.9135, 0.4454, 0.4320**, and if you desaturate by 10%, it is **13.7596, 0.4033, 0.4074**.

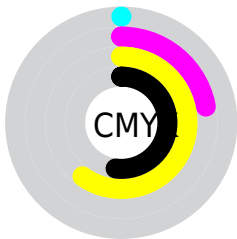
Distribution



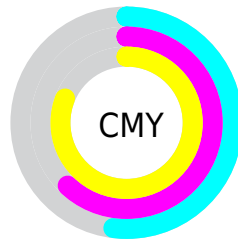
- Red (48%)
- Green (38%)
- Blue (19%)



- Red (36%)
- Yellow (48%)
- Blue (19%)



- Cyan (0%)
- Magenta (22%)
- Yellow (60%)
- Black (52%)




- Cyan (52%)
- Magenta (62%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7984, 0.4245, 0.4210 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 12.7984, 0.4245, 0.4210 by changing the saturation by 10% instead.


 12.7984, 0.4245,
0.4210


 12.7984, 0.4245,
0.4210


209.6216, 0.3583,
0.3682


 7.2899, 0.4443,
0.4354


 30.9411, 0.3978,
0.4005


 3.6440, 0.4737,
0.4557

 44.3441, 0.3885,
0.3931

 1.4765, 0.5173,
0.4827

 61.1474, 0.3811,
0.3870

 0.2721, 0.5833,
0.4167

 81.7353, 0.3749,
0.3820

 0.0000, 0.0000,
0.0000

 106.4923, 0.3697,
0.3777

 135.8027, 0.3653,

0.3741

170.0510, 0.3616,
0.3710

■ 12.7984, 0.4245,
0.4210

■ 12.7984, 0.4245,
0.4210

■ 11.9135, 0.4454,
0.4320

■ 13.7596, 0.4033,
0.4074

■ 11.0999, 0.4651,
0.4395

■ 14.7982, 0.3826,
0.3921

■ 10.3547, 0.4826,
0.4425

■ 15.9173, 0.3629,
0.3761

■ 9.6776, 0.4984,
0.4425

■ 17.1195, 0.3447,
0.3600

■ 18.4070, 0.3280,
0.3442

■ 19.7822, 0.3129,
0.3292

■ 21.2470, 0.2994,
0.3151

■ 22.8035, 0.2873,
0.3019

■ 24.4537, 0.2766,
0.2897

Harmonies

Analogous

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



12.7984, 0.4457, 0.3743



12.7984, 0.4245, 0.4210



12.7984, 0.3738, 0.4496

Triad

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



12.7984, 0.4245, 0.4210



12.7984, 0.2094, 0.3181



12.7984, 0.3041, 0.2434

Complementary

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



12.7984, 0.4245, 0.4210



7.2511, 0.2157, 0.2107

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.



12.7984, 0.2451, 0.2269



12.7984, 0.4245, 0.4210



12.7984, 0.1953, 0.2622

Square

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



12.7984, 0.4245, 0.4210



12.7984, 0.2498, 0.3878



12.7984, 0.2076, 0.2320



12.7984, 0.3725, 0.2777

Rectangle

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



12.7984, 0.4245, 0.4210



12.7984, 0.3316, 0.4485



12.7984, 0.2076, 0.2320



12.7984, 0.2825, 0.2357

Sweetspot

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



12.7990, 0.4245, 0.4210



31.0449, 0.3417, 0.3572



6.9314, 0.4205, 0.2756



7.1813, 0.3460, 0.3612



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.7990, 0.4245, 0.4210



20.7957, 0.4527, 0.4352



17.9046, 0.3809, 0.4716



4.3997, 0.3263, 0.3426



10.0024, 0.4985, 0.4423



46.0496, 0.5038, 0.4382

Inverse Universe

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



7.2511, 0.2157, 0.2107



9.9626, 0.1955, 0.1786



4.5532, 0.2135, 0.1503



4.1108, 0.2994, 0.3151



3.4003, 0.1673, 0.1221



14.7251, 0.1647, 0.1129

Previews

White Background



This preview shows how the Yxy color 12.7984, 0.4245, 0.4210 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 12.7984, 0.4245, 0.4210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

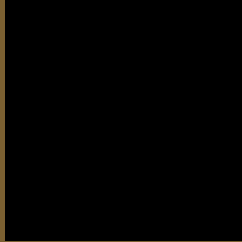
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7984, 0.4245, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 12.7984, 0.4245, 0.4210.



This preview shows how white text looks on a background with the Yxy color 12.7984, 0.4245, 0.4210.

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

12.7984, 0.4245, 0.4210

Protanopia

12.9172, 0.3982, 0.4365

Deuteranopia

12.8726, 0.4261, 0.4203



Tritanopia

12.8760, 0.3599, 0.3153

Trichromacy



Original Color

12.7984, 0.4245, 0.4210

Protanomaly

12.7988, 0.4069, 0.4301

Deuteranomaly

12.8726, 0.4261, 0.4203

Tritanomaly

12.8435, 0.3864, 0.3554

Monochromacy



Original Color

12.7984, 0.4245, 0.4210

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5176, 0.3528, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7984, 0.4245, 0.4210 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(123, 96, 49)` looks like.

```
.text, #text, p{  
    color:rgb(123, 96, 49)  
}
```

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(123, 96, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 96, 49) }
```

Border

The CSS property to change the border of an element to Yxy 12.7984, 0.4245, 0.4210 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(123, 96, 49) }
```

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

```
.border{ border-color:rgb(123, 96, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 96, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 96, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 96, 49);  
box-shadow:4px 4px 4px 4px rgb(123, 96,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7984, 0.4245, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 96, 49) }
```

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

```
.background{ background-color: rgb(123, 96,  
49) }
```

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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