

Converting Colors

$Y_{xy}(14.9697, 0.4202, 0.4605)$

Have a look what the booklet for
Yxy(14.9697, 0.4202, 0.4605)
contains.

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Color

Yxy(14.9901, 0.4213, 0.4607)

Conversions

Conversions Part 1

Format	Color
Hex	7A6C24
RGB	122, 108, 36
RGB Percent	48%, 42%, 14%
CMY	0.5215, 0.5765, 0.8588
CMYK	0.00, 0.11, 0.70, 0.52
HSL	50°, 54%, 31%
HSV	50°, 70%, 48%
XYZ	13.7081, 14.9901, 3.8394
YIQ	103.9780, 31.4560, -19.4240

Conversions

Conversions Part 2

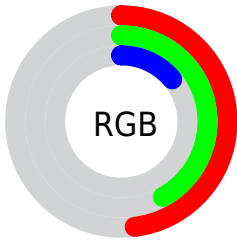
Format	Color
RYB	53, 122, 36
Decimal	8023076
CIELab	45.62, -3.40, 40.66
CIElCh	46, 40.800, 94.774
Yxy	14.9901, 0.4213, 0.4607
Android (android.graphics.Color)	4286213156 (0xFF7A6C24)
YUV	103.9780, -33.5132, 15.8053
Hunter-Lab	38.7171, -4.5553, 21.2223

Details

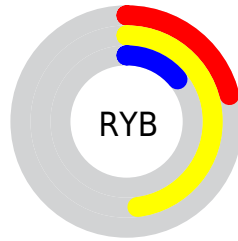
The Yxy color **14.9901, 0.4213, 0.4607** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.0622, 0.1898, 0.1432**, and the grayscale version is **13.9229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7993, 0.3992, 0.4318**, and **4.6396, 0.4411, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **14.5141, 0.4331, 0.4711**, and if you desaturate by 10%, it is **15.5025, 0.4074, 0.4467**.

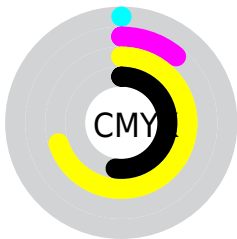
Distribution



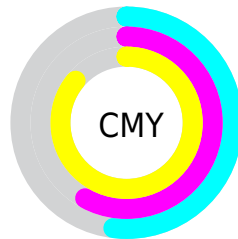
- Red (48%)
- Green (42%)
- Blue (14%)



- Red (21%)
- Yellow (48%)
- Blue (14%)



- Cyan (0%)
- Magenta (11%)
- Yellow (70%)
- Black (52%)





- Cyan (52%)
- Magenta (58%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9901, 0.4213, 0.4607 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 14.9901, 0.4213, 0.4607 by changing the saturation by 10% instead.


 14.9901, 0.4213,
0.4607


 14.9901, 0.4213,
0.4607

 223.3063, 0.3611,
0.3859


 8.8124, 0.4359,
0.4803


 34.8358, 0.3988,
0.4320


 4.6190, 0.4601,
0.5126

 49.2726, 0.3904,
0.4216


 2.0255, 0.4684,
0.5316

 67.2313, 0.3834,
0.4129

 0.6222, 0.4497,
0.5503

 89.0963, 0.3775,
0.4057

 0.0000, 0.0000,
0.0000

 115.2518, 0.3725,
0.3996

 146.0824, 0.3681,

0.3944

181.9724, 0.3644,
0.3898

14.9901, 0.4213,
0.4607

14.9901, 0.4213,
0.4607

14.5141, 0.4331,
0.4711

15.5025, 0.4074,
0.4467

14.0696, 0.4425,
0.4773

16.0516, 0.3921,
0.4297

13.6680, 0.4500,
0.4809

16.6402, 0.3759,
0.4107

17.2702, 0.3596,
0.3906

17.9434, 0.3435,
0.3700

■ 18.6616, 0.3280,
0.3496

■ 19.4261, 0.3134,
0.3300

■ 20.2385, 0.2999,
0.3112

■ 21.1003, 0.2874,
0.2937

Harmonies

Analogous

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



14.9901, 0.4688, 0.4078



14.9901, 0.4213, 0.4607



14.9901, 0.3485, 0.4828

Triad

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



14.9901, 0.4213, 0.4607



14.9901, 0.1758, 0.2773



14.9901, 0.3409, 0.2427

Complementary

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



14.9901, 0.4213, 0.4607



4.0622, 0.1898, 0.1432

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.



14.9901, 0.2601, 0.2127



14.9901, 0.4213, 0.4607



14.9901, 0.1747, 0.2253

Square

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



14.9901, 0.4213, 0.4607



14.9901, 0.2081, 0.3605



14.9901, 0.2029, 0.2055



14.9901, 0.4230, 0.2903

Rectangle

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



14.9901, 0.4213, 0.4607



14.9901, 0.2958, 0.4652



14.9901, 0.2029, 0.2055



14.9901, 0.3123, 0.2304

Sweetspot

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



14.9908, 0.4213, 0.4607



31.4391, 0.3451, 0.3721



5.6330, 0.4987, 0.3040



7.1288, 0.3485, 0.3765



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.



14.9908, 0.4213, 0.4607



25.0117, 0.4396, 0.4756



16.3939, 0.3647, 0.5055



4.5281, 0.3259, 0.3468



14.3775, 0.4501, 0.4808



67.5320, 0.4520, 0.4793

Inverse Universe

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



4.0622, 0.1898, 0.1432



4.5860, 0.1670, 0.1020



3.7794, 0.2181, 0.1308



3.9894, 0.2994, 0.3106



1.9922, 0.1550, 0.0781



8.6511, 0.1533, 0.0719

Previews

White Background



This preview shows how the Yxy color 14.9901, 0.4213, 0.4607 looks on a white background.

Color Contrast Check

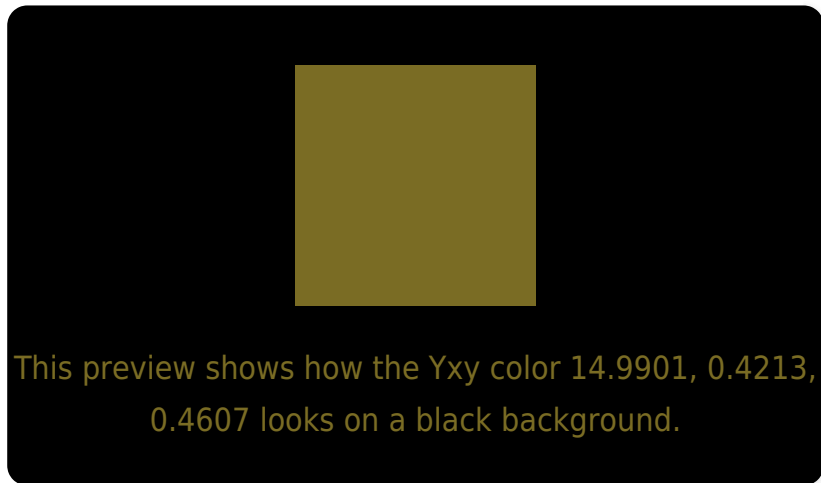
Large Text (above 18pt) WCAG AA ✓ Pass

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

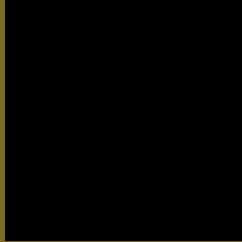
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9901, 0.4213, 0.4607

Background



This preview shows how black text looks on a background with the Yxy color 14.9901, 0.4213, 0.4607.



This preview shows how white text looks on a background with the Yxy color 14.9901, 0.4213, 0.4607.

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

14.9901, 0.4213, 0.4607

Protanopia

14.9174, 0.4198, 0.4616

Deuteranopia

14.9913, 0.4454, 0.4395



Tritanopia

15.0007, 0.3412, 0.3137

Trichromacy



Original Color

14.9901, 0.4213, 0.4607

Protanomaly

14.9174, 0.4198, 0.4616

Deuteranomaly

14.9825, 0.4363, 0.4479

Tritanomaly

14.9454, 0.3760, 0.3727

Monochromacy



Original Color

14.9901, 0.4213, 0.4607

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.0472, 0.3568, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9901, 0.4213, 0.4607 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, 108, 36)` looks like.

```
.text, #text, p{  
    color:rgb(122, 108, 36)  
}
```

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, 108, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 108, 36) }
```

Border

The CSS property to change the border of an element to Yxy 14.9901, 0.4213, 0.4607 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, 108, 36) }
```

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

```
.border{ border-color:rgb(122, 108, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 108, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 108, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 108, 36);  
box-shadow:4px 4px 4px 4px rgb(122, 108,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9901, 0.4213, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 108, 36) }
```

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

```
.background{ background-color: rgb(122,  
108, 36) }
```

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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