

Converting Colors

$Y_{xy}(12.4640, 0.4217, 0.4466)$

Have a look what the booklet for
Yxy(12.4640, 0.4217, 0.4466)
contains.

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Color

Yxy(12.5267, 0.4209, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	736227
RGB	115, 98, 39
RGB Percent	45%, 38%, 15%
CMY	0.5490, 0.6157, 0.8470
CMYK	0.00, 0.15, 0.66, 0.55
HSL	47°, 49%, 30%
HSV	47°, 66%, 45%
XYZ	11.8058, 12.5267, 3.7165
YIQ	96.3570, 29.0710, -14.7450

Conversions

Conversions Part 2

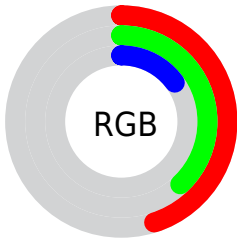
Format	Color
RYB	61, 115, 39
Decimal	7561767
CIELab	42.04, -0.71, 35.19
CIELCh	42, 35.202, 91.148
Yxy	12.5267, 0.4209, 0.4466
Android (android.graphics.Color)	4285751847 (0xFF736227)
YUV	96.3570, -28.2770, 16.3499
Hunter-Lab	35.3931, -2.3968, 18.5493

Details

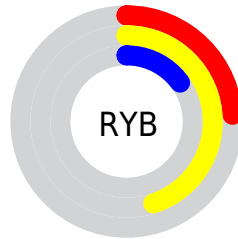
The Yxy color **12.5267, 0.4209, 0.4466** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.5016, 0.2006, 0.1688**, and the grayscale version is **11.8545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3029, 0.3964, 0.4190**, and **3.5460, 0.4519, 0.4794** is the 20% darker color. If you saturate the color by 10%, you get **11.9880, 0.4358, 0.4580**, and if you desaturate by 10%, it is **13.1052, 0.4045, 0.4320**.

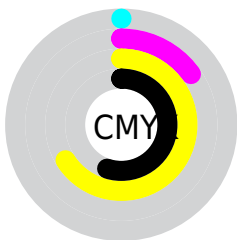
Distribution



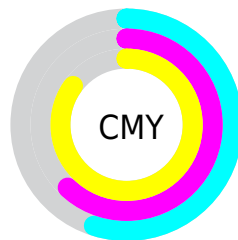
- Red (45%)
- Green (38%)
- Blue (15%)



- Red (24%)
- Yellow (45%)
- Blue (15%)



- Cyan (0%)
- Magenta (15%)
- Yellow (66%)
- Black (55%)



- Cyan (55%)
- Magenta (62%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5267, 0.4209, 0.4466 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 12.5267, 0.4209, 0.4466 by changing the saturation by 10% instead.

■ 12.5267, 0.4209,
0.4466

■ 12.5267, 0.4209,
0.4466

■ 207.8617, 0.3582,
0.3781

■ 7.1035, 0.4380,
0.4656

■ 30.4508, 0.3964,
0.4197

■ 3.5269, 0.4706,
0.5015

■ 43.7205, 0.3876,
0.4101

■ 1.4126, 0.4829,
0.5171

■ 60.3744, 0.3804,
0.4022

■ 0.2260, 0.4665,
0.5335

■ 80.7970, 0.3744,
0.3957

■ 0.0000, 0.0000,
0.0000

■ 105.3726, 0.3694,
0.3902

■ 134.4856, 0.3651,

0.3856

168.5205, 0.3614,
0.3816

12.5267, 0.4209,
0.4466

12.5267, 0.4209,
0.4466

11.9880, 0.4358,
0.4580

13.1052, 0.4045,
0.4320

11.4850, 0.4485,
0.4654

13.7239, 0.3873,
0.4151

11.0138, 0.4590,
0.4691

14.3851, 0.3700,
0.3966

10.8340, 0.4632,
0.4704

15.0905, 0.3530,
0.3776

15.8416, 0.3367,
0.3585

■ 16.6401, 0.3214,
0.3399

■ 17.4872, 0.3073,
0.3221

■ 18.3843, 0.2943,
0.3054

■ 19.3326, 0.2826,
0.2897

Harmonies

Analogous

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



12.5267, 0.4597, 0.3971



12.5267, 0.4209, 0.4466



12.5267, 0.3558, 0.4696

Triad

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



12.5267, 0.4209, 0.4466



12.5267, 0.1878, 0.2903



12.5267, 0.3294, 0.2445

Complementary

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



12.5267, 0.4209, 0.4466



4.5016, 0.2006, 0.1688

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.



12.5267, 0.2567, 0.2187



12.5267, 0.4209, 0.4466



12.5267, 0.1830, 0.2377

Square

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



12.5267, 0.4209, 0.4466



12.5267, 0.2221, 0.3683



12.5267, 0.2062, 0.2152



12.5267, 0.4058, 0.2876

Rectangle

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



12.5267, 0.4209, 0.4466



12.5267, 0.3069, 0.4574



12.5267, 0.2062, 0.2152



12.5267, 0.3035, 0.2337

Sweetspot

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



12.5273, 0.4209, 0.4466



27.7510, 0.3438, 0.3670



5.3910, 0.4649, 0.2938



6.5491, 0.3475, 0.3712



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.



12.5273, 0.4209, 0.4466



21.0029, 0.4424, 0.4622



14.8310, 0.3704, 0.4908



4.1339, 0.3259, 0.3454



12.3497, 0.4635, 0.4702



58.8627, 0.4664, 0.4679

Inverse Universe

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



4.5016, 0.2006, 0.1688



5.5644, 0.1782, 0.1296



3.6288, 0.2179, 0.1401



3.7107, 0.2995, 0.3121



2.2178, 0.1581, 0.0890



9.7203, 0.1559, 0.0813

Previews

White Background



This preview shows how the Yxy color 12.5267, 0.4209, 0.4466 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 12.5267, 0.4209, 0.4466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

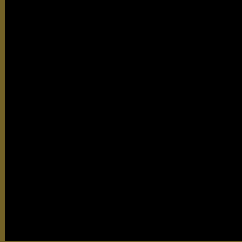
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5267, 0.4209, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 12.5267, 0.4209, 0.4466.



This preview shows how white text looks on a background with the Yxy color 12.5267, 0.4209, 0.4466.

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

12.5267, 0.4209, 0.4466

Protanopia

12.6403, 0.4118, 0.4535

Deuteranopia

12.4437, 0.4397, 0.4309



Tritanopia

12.5482, 0.3467, 0.3147

Trichromacy



Original Color

12.5267, 0.4209, 0.4466

Protanomaly

12.5149, 0.4147, 0.4509

Deuteranomaly

12.4026, 0.4335, 0.4350

Tritanomaly

12.3928, 0.3775, 0.3651

Monochromacy



Original Color

12.5267, 0.4209, 0.4466

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9410, 0.3541, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5267, 0.4209, 0.4466 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, 98, 39)` looks like.

```
.text, #text, p{  
    color:rgb(115, 98, 39)  
}
```

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, 98, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 98, 39) }
```

Border

The CSS property to change the border of an element to Yxy 12.5267, 0.4209, 0.4466 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, 98, 39) }
```

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

```
.border{ border-color:rgb(115, 98, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 98, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 98, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 98, 39);  
box-shadow:4px 4px 4px 4px rgb(115, 98,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5267, 0.4209, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 98, 39) }
```

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

```
.background{ background-color: rgb(115, 98,  
39) }
```

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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