

Converting Colors

$Y_{xy}(12.2611, 0.4110, 0.4520)$

Have a look what the booklet for
Yxy(12.2611, 0.4110, 0.4520)
contains.

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Color

Yxy(12.3214, 0.4099, 0.4535)

Conversions

Conversions Part 1

Format	Color
Hex	6D6327
RGB	109, 99, 39
RGB Percent	43%, 39%, 15%
CMY	0.5725, 0.6118, 0.8470
CMYK	0.00, 0.09, 0.64, 0.57
HSL	51°, 47%, 29%
HSV	51°, 64%, 43%
XYZ	11.1368, 12.3214, 3.7114
YIQ	95.1500, 25.2200, -16.5400

Conversions

Conversions Part 2

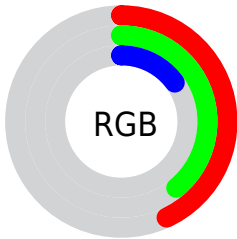
Format	Color
R_{YB}	51, 109, 39
Decimal	7168807
CIE _{Lab}	41.72, -4.14, 34.67
CIE _{LCh}	42, 34.920, 96.801
Yxy	12.3214, 0.4099, 0.4535
Android (android.graphics.Color)	4285358887 (0xFF6D6327)
YUV	95.1500, -27.6820, 12.1464
Hunter-Lab	35.1019, -4.7953, 18.3025

Details

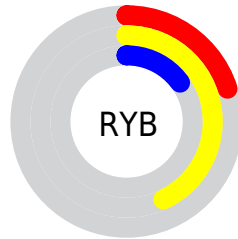
The Yxy color **12.3214, 0.4099, 0.4535** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.7356, 0.2009, 0.1598**, and the grayscale version is **11.5458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1822, 0.3872, 0.4245**, and **3.4760, 0.4357, 0.4922** is the 20% darker color. If you saturate the color by 10%, you get **11.9668, 0.4225, 0.4666**, and if you desaturate by 10%, it is **12.7036, 0.3956, 0.4373**.

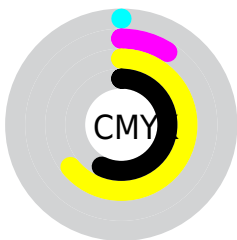
Distribution



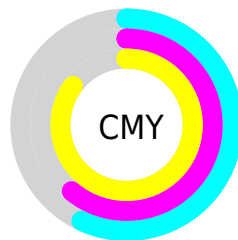
- Red (43%)
- Green (39%)
- Blue (15%)



- Red (20%)
- Yellow (43%)
- Blue (15%)



- Cyan (0%)
- Magenta (9%)
- Yellow (64%)
- Black (57%)





- Cyan (57%)
- Magenta (61%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3214, 0.4099, 0.4535 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 12.3214, 0.4099, 0.4535 by changing the saturation by 10% instead.


 12.3214, 0.4099,
0.4535


 12.3214, 0.4099,
0.4535


 206.5216, 0.3539,
0.3797

 6.9630, 0.4248,
0.4750


 30.0791, 0.3882,
0.4239


 3.4389, 0.4544,
0.5165

 43.2472, 0.3803,
0.4135


 1.3650, 0.4610,
0.5390

 59.7873, 0.3739,
0.4052

 0.1907, 0.2963,
0.7037

 80.0838, 0.3685,
0.3982

 0.0000, 0.0000,
0.0000

 104.5211, 0.3640,
0.3924

 133.4835, 0.3601,

0.3875

167.3556, 0.3568,
0.3833

12.3214, 0.4099,
0.4535

12.3214, 0.4099,
0.4535

11.9668, 0.4225,
0.4666

12.7036, 0.3956,
0.4373

11.6363, 0.4329,
0.4760

13.1134, 0.3803,
0.4188

11.3274, 0.4410,
0.4816

13.5529, 0.3645,
0.3988

11.1534, 0.4456,
0.4844

14.0234, 0.3487,
0.3781

14.5262, 0.3333,
0.3575

■ 15.0624, 0.3186,
0.3373

■ 15.6333, 0.3049,
0.3180

■ 16.2398, 0.2921,
0.2997

■ 16.8830, 0.2804,
0.2827

Harmonies

Analogous

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



12.3214, 0.4549, 0.4072



12.3214, 0.4099, 0.4535



12.3214, 0.3421, 0.4684

Triad

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



12.3214, 0.4099, 0.4535



12.3214, 0.1849, 0.2782



12.3214, 0.3442, 0.2517

Complementary

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



12.3214, 0.4099, 0.4535



3.7356, 0.2009, 0.1598

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.



12.3214, 0.2691, 0.2222



12.3214, 0.4099, 0.4535



12.3214, 0.1855, 0.2315

Square

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



12.3214, 0.4099, 0.4535



12.3214, 0.2136, 0.3526



12.3214, 0.2139, 0.2142



12.3214, 0.4178, 0.2972

Rectangle

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



12.3214, 0.4099, 0.4535



12.3214, 0.2933, 0.4489



12.3214, 0.2139, 0.2142



12.3214, 0.3180, 0.2398

Sweetspot

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



12.3220, 0.4099, 0.4535



25.5156, 0.3414, 0.3684



4.9303, 0.4737, 0.3073



5.8926, 0.3448, 0.3729



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.3220, 0.4099, 0.4535



21.1236, 0.4279, 0.4717



12.9971, 0.3605, 0.4911



3.5134, 0.3255, 0.3467



13.0138, 0.4458, 0.4842



65.3440, 0.4476, 0.4828

Inverse Universe

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



3.7356, 0.2009, 0.1598



4.4603, 0.1771, 0.1189



3.6299, 0.2313, 0.1507



3.0887, 0.2997, 0.3106



1.6861, 0.1545, 0.0760



7.7857, 0.1527, 0.0697

Previews

White Background



This preview shows how the Yxy color 12.3214, 0.4099, 0.4535 looks on a white background.

Color Contrast Check

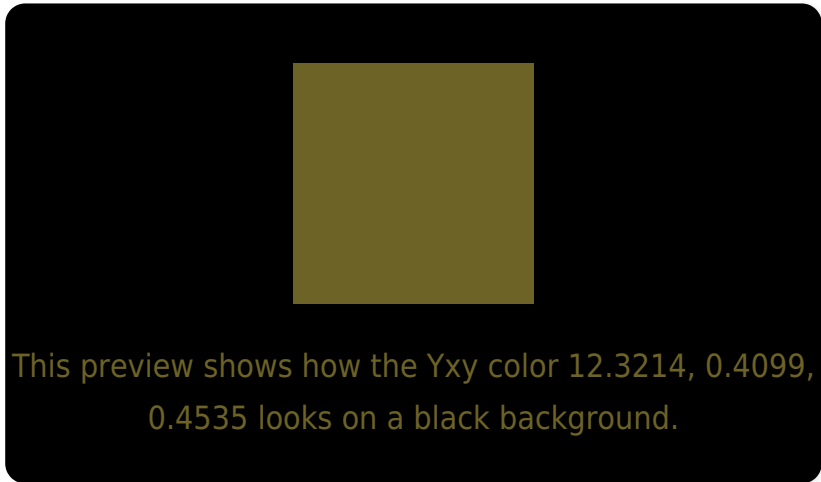
Large Text (above 18pt) WCAG AA ✓ Pass

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

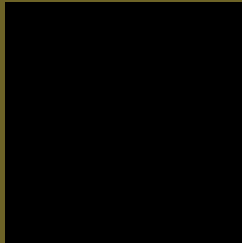
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3214, 0.4099, 0.4535

Background



This preview shows how black text looks on a background with the Yxy color 12.3214, 0.4099, 0.4535.



This preview shows how white text looks on a background with the Yxy color 12.3214, 0.4099, 0.4535.

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

12.3214, 0.4099, 0.4535

Protanopia

12.3852, 0.4115, 0.4527

Deuteranopia

12.3031, 0.4353, 0.4309



Tritanopia

12.3262, 0.3354, 0.3143

Trichromacy



Original Color

12.3214, 0.4099, 0.4535

Protanomaly

12.3852, 0.4115, 0.4527

Deuteranomaly

12.3009, 0.4257, 0.4400

Tritanomaly

12.1792, 0.3654, 0.3663

Monochromacy



Original Color

12.3214, 0.4099, 0.4535

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5831, 0.3497, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3214, 0.4099, 0.4535 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(109, 99, 39)` looks like.

```
.text, #text, p{  
    color:rgb(109, 99, 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(109, 99, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 99, 39) }
```

Border

The CSS property to change the border of an element to Yxy 12.3214, 0.4099, 0.4535 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(109, 99, 39) }
```

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

```
.border{ border-color:rgb(109, 99, 39) }
```

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

Here you see how a box with a 4 pixel rgb(109, 99, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 99, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 99, 39);  
box-shadow:4px 4px 4px 4px rgb(109, 99,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3214, 0.4099, 0.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 99, 39) }
```

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

```
.background{ background-color: rgb(109, 99,  
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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