

Converting Colors

$Y_{xy}(12.2786, 0.4263, 0.4830)$

Have a look what the booklet for
Yxy(12.2786, 0.4263, 0.4830)
contains.

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Color

Yxy(12.3399, 0.4253, 0.4844)

Conversions

Conversions Part 1

Format	Color
Hex	6C6410
RGB	108, 100, 16
RGB Percent	42%, 39%, 6%
CMY	0.5765, 0.6078, 0.9373
CMYK	0.00, 0.07, 0.85, 0.58
HSL	55°, 74%, 24%
HSV	55°, 85%, 42%
XYZ	10.8344, 12.3399, 2.3004
YIQ	92.8160, 31.7320, -24.4280

Conversions

Conversions Part 2

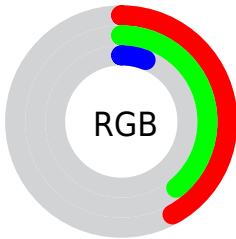
Format	Color
R_{YB}	25, 108, 16
Decimal	7103504
CIE Lab	41.75, -6.50, 44.28
CIE LCh	42, 44.756, 98.345
Yxy	12.3399, 0.4253, 0.4844
Android (android.graphics.Color)	4285293584 (0xFF6C6410)
YUV	92.8160, -37.8703, 13.3164
Hunter-Lab	35.1282, -6.4208, 20.7072

Details

The Yxy color **12.3399, 0.4253, 0.4844** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.8448, 0.1668, 0.0948**, and the grayscale version is **10.9854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2320, 0.4024, 0.4504**, and **3.5082, 0.4275, 0.4988** is the 20% darker color. If you saturate the color by 10%, you get **12.1356, 0.4316, 0.4904**, and if you desaturate by 10%, it is **12.5622, 0.4168, 0.4748**.

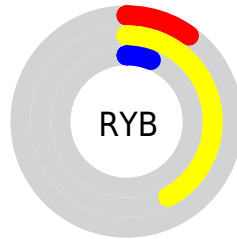
Distribution



Red (42%)

Green (39%)

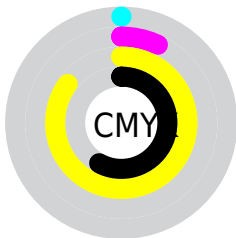
Blue (6%)



Red (10%)

Yellow (42%)

Blue (6%)

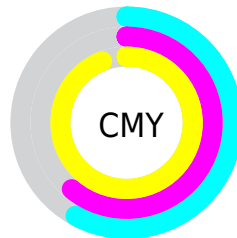


Cyan (0%)

Magenta (7%)

Yellow (85%)

Black (58%)



Cyan (58%)


Magenta (61%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3399, 0.4253, 0.4844 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 12.3399, 0.4253, 0.4844 by changing the saturation by 10% instead.


 12.3399, 0.4253,
0.4844


 12.3399, 0.4253,
0.4844


206.6427, 0.3635,
0.3944


 6.9756, 0.4386,
0.5081


 30.1127, 0.4031,
0.4498


 3.4468, 0.4569,
0.5431

 43.2899, 0.3944,
0.4371


 1.3692, 0.4456,
0.5544

 59.8403, 0.3871,
0.4267

 0.1939, 0.1171,
0.8829

 80.1482, 0.3809,
0.4180


 0.0000, 0.0000,
0.0000


 104.5980, 0.3756,
0.4107


 133.5741, 0.3710,

0.4044


 167.4608, 0.3670,
0.3991


 12.3399, 0.4253,
0.4844


 12.3399, 0.4253,
0.4844


 12.1356, 0.4316,
0.4904


 12.5622, 0.4168,
0.4748

 12.0391, 0.4346,
0.4931

 12.8043, 0.4060,
0.4615

 13.0687, 0.3934,
0.4449

 13.3569, 0.3794,
0.4257

 13.6705, 0.3646,
0.4049

■ 14.0107, 0.3495,
0.3832

■ 14.3787, 0.3345,
0.3613

■ 14.7758, 0.3200,
0.3399

■ 15.2030, 0.3062,
0.3192

Harmonies

Analogous

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



12.3399, 0.4868, 0.4224



12.3399, 0.4253, 0.4844



12.3399, 0.3397, 0.5097

Triad

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



12.3399, 0.4253, 0.4844



12.3399, 0.1553, 0.2577



12.3399, 0.3567, 0.2360

Complementary

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



12.3399, 0.4253, 0.4844



1.8448, 0.1668, 0.0948

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.



12.3399, 0.2611, 0.2000



12.3399, 0.4253, 0.4844



12.3399, 0.1586, 0.2051

Square

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



12.3399, 0.4253, 0.4844



12.3399, 0.1857, 0.3516



12.3399, 0.1934, 0.1883



12.3399, 0.4512, 0.2905

Rectangle

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



12.3399, 0.4253, 0.4844



12.3399, 0.2799, 0.4847



12.3399, 0.1934, 0.1883



12.3399, 0.3229, 0.2216

Sweetspot

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



12.3405, 0.4253, 0.4844



24.5076, 0.3518, 0.3865



3.6289, 0.5712, 0.3166



5.8941, 0.3556, 0.3921



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.



12.3405, 0.4253, 0.4844



21.0549, 0.4350, 0.4928



12.1079, 0.3573, 0.5363



3.5409, 0.3254, 0.3479



14.3424, 0.4347, 0.4930



72.4449, 0.4357, 0.4923

Inverse Universe

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



1.8448, 0.1668, 0.0948



2.1681, 0.1521, 0.0675



2.2039, 0.2077, 0.1053



3.0635, 0.2997, 0.3094



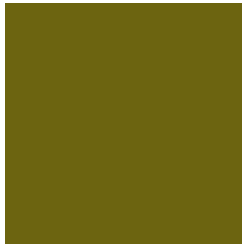
1.5125, 0.1525, 0.0691



7.1260, 0.1513, 0.0644

Previews

White Background



This preview shows how the Yxy color 12.3399, 0.4253, 0.4844 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 12.3399, 0.4253, 0.4844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

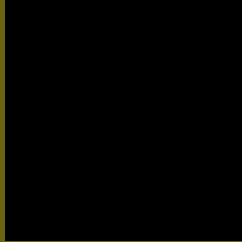
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3399, 0.4253, 0.4844

Background



This preview shows how black text looks on a background with the Yxy color 12.3399, 0.4253, 0.4844.



This preview shows how white text looks on a background with the Yxy color 12.3399, 0.4253, 0.4844.

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

12.3399, 0.4253, 0.4844

Protanopia

12.3406, 0.4317, 0.4795

Deuteranopia

12.3410, 0.4579, 0.4542



Tritanopia

12.3262, 0.3354, 0.3143

Trichromacy



Original Color

12.3399, 0.4253, 0.4844

Protanomaly

12.2761, 0.4301, 0.4806

Deuteranomaly

12.2643, 0.4459, 0.4646

Tritanomaly

12.2402, 0.3785, 0.3880

Monochromacy



Original Color

12.3399, 0.4253, 0.4844

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3441, 0.3611, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3399, 0.4253, 0.4844 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(108, 100, 16)` looks like.

```
.text, #text, p{  
    color:rgb(108, 100, 16)  
}
```

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(108, 100, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 100, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.3399, 0.4253, 0.4844 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(108, 100, 16) }
```

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

```
.border{ border-color:rgb(108, 100, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 100, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 100, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 100, 16);  
box-shadow:4px 4px 4px 4px rgb(108, 100,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3399, 0.4253, 0.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 100, 16) }
```

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

```
.background{ background-color: rgb(108,  
100, 16) }
```

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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