

Converting Colors

$Y_{xy}(13.3634, 0.3990, 0.5214)$

Have a look what the booklet for
Yxy(13.3634, 0.3990, 0.5214)
contains.

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Color

Yxy(13.4241, 0.3995, 0.5210)

Conversions

Conversions Part 1

Format	Color
Hex	606D00
RGB	96, 109, 0
RGB Percent	38%, 43%, 0%
CMY	0.6235, 0.5726, 1.0000
CMYK	0.12, 0.00, 1.00, 0.57
HSL	67°, 100%, 21%
HSV	67°, 100%, 43%
XYZ	10.2935, 13.4241, 2.0484
YIQ	92.6870, 27.2410, -36.6550

Conversions

Conversions Part 2

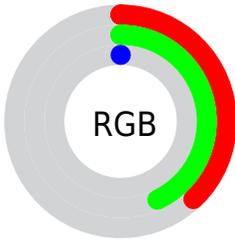
Format	Color
RYB	0, 109, 13
Decimal	6319360
CIELab	43.40, -17.68, 49.21
CIELCh	43, 52.295, 109.766
Yxy	13.4241, 0.3995, 0.5210
Android (android.graphics.Color)	4284509440 (0xFF606D00)
YUV	92.6870, -45.6947, 2.9055
Hunter-Lab	36.6389, -13.9694, 22.3325

Details

The Yxy color **13.4241, 0.3995, 0.5210** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1896, 0.1568, 0.0638**, and the grayscale version is **10.9741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9626, 0.3870, 0.4759**, and **4.0031, 0.3774, 0.5386** is the 20% darker color. If you saturate the color by 10%, you get **13.4247, 0.3995, 0.5210**, and if you desaturate by 10%, it is **13.5197, 0.3977, 0.5125**.

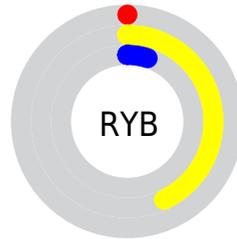
Distribution



Red (38%)

Green (43%)

Blue (0%)



Red (0%)

Yellow (43%)

Blue (5%)

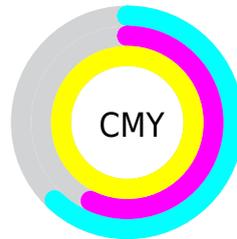


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (62%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4241, 0.3995, 0.5210 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 13.4241, 0.3995, 0.5210 by changing the saturation by 10% instead.

 13.4241, 0.3995,
0.5210

 13.4241, 0.3995,
0.5210

213.6181, 0.3568,
0.4081

 7.7212, 0.4052,
0.5529

 32.0636, 0.3866,
0.4769

 3.9171, 0.4060,
0.5940

 45.7691, 0.3806,
0.4611

 1.6273, 0.3771,
0.6229

 62.9108, 0.3753,
0.4480

 0.3759, 0.0000,
1.0000

 83.8733, 0.3706,
0.4372

 0.0000, 0.0000,
0.0000

 109.0408, 0.3664,
0.4282

 138.7979, 0.3628,

0.4204

 173.5288, 0.3596,
0.4138

 13.4241, 0.3995,
0.5210

 13.4241, 0.3995,
0.5210

 13.4247, 0.3995,
0.5210

 13.5197, 0.3977,
0.5125

 13.6251, 0.3946,
0.5018

 13.7495, 0.3892,
0.4871

 13.8948, 0.3816,
0.4689

 14.0627, 0.3721,
0.4479

■ 14.2549, 0.3613,
0.4249

■ 14.4727, 0.3495,
0.4007

■ 14.7175, 0.3372,
0.3763

■ 14.9904, 0.3249,
0.3522

Harmonies

Analogous

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



13.4241, 0.4826, 0.4562



13.4241, 0.3995, 0.5210



13.4241, 0.3009, 0.5265

Triad

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



13.4241, 0.3995, 0.5210



13.4241, 0.1368, 0.2200



13.4241, 0.4056, 0.2463

Complementary

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



13.4241, 0.3995, 0.5210



1.1896, 0.1568, 0.0638

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.



13.4241, 0.2919, 0.1989



13.4241, 0.3995, 0.5210



13.4241, 0.1534, 0.1804

Square

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



13.4241, 0.3995, 0.5210



13.4241, 0.1538, 0.3070



13.4241, 0.2039, 0.1756



13.4241, 0.4991, 0.3099

Rectangle

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



13.4241, 0.3995, 0.5210



13.4241, 0.2379, 0.4740



13.4241, 0.2039, 0.1756



13.4241, 0.3670, 0.2282

Sweetspot

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



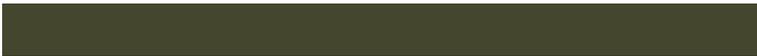
13.4247, 0.3995, 0.5210



25.8816, 0.3505, 0.4028



3.5319, 0.6247, 0.3422



5.9935, 0.3542, 0.4104



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.



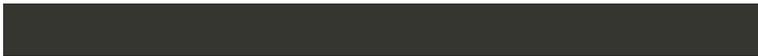
13.4247, 0.3995, 0.5210



24.0043, 0.3989, 0.5214



11.4249, 0.3255, 0.5797



3.5662, 0.3236, 0.3497



15.6954, 0.3993, 0.5211



79.7270, 0.3981, 0.5221

Inverse Universe

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



1.1896, 0.1568, 0.0638



2.0964, 0.1553, 0.0629



2.3051, 0.2309, 0.1046



3.0408, 0.3014, 0.3076



1.3846, 0.1564, 0.0635



6.8440, 0.1536, 0.0620

Previews

White Background



This preview shows how the Yxy color 13.4241, 0.3995, 0.5210 looks on a white background.

Color Contrast Check

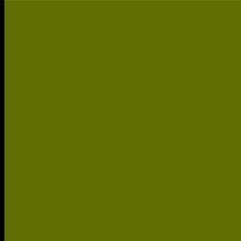
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4241, 0.3995, 0.5210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

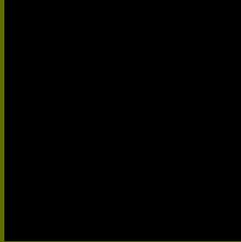
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4241, 0.3995, 0.5210

Background



This preview shows how black text looks on a background with the Yxy color 13.4241, 0.3995, 0.5210.



This preview shows how white text looks on a background with the Yxy color 13.4241, 0.3995, 0.5210.

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

13.4241, 0.3995, 0.5210

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.2602, 0.4614, 0.4554



Tritanopia

13.3545, 0.3064, 0.3118

Trichromacy



Original Color

13.4241, 0.3995, 0.5210

Protanomaly

13.3544, 0.4255, 0.5003

Deuteranomaly

13.1134, 0.4402, 0.4790

Tritanomaly

13.0970, 0.3555, 0.4087

Monochromacy



Original Color

13.4241, 0.3995, 0.5210

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6191, 0.3608, 0.4249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4241, 0.3995, 0.5210 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(96, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 109, 0)  
}
```

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(96, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4241, 0.3995, 0.5210 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(96, 109, 0) }
```

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

```
.border{ border-color:rgb(96, 109, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 109, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 109, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 13.4241, 0.3995, 0.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 109, 0) }
```

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

```
.background{ background-color: rgb(96, 109,  
0) }
```

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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