

Converting Colors

$Y_{xy}(12.9871, 0.4173, 0.5536)$

Have a look what the booklet for
Yxy(12.9871, 0.4173, 0.5536)
contains.

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Color

Yxy(13.1580, 0.3993, 0.5211)

Conversions

Conversions Part 1

Format	Color
Hex	5F6C00
RGB	95, 108, 0
RGB Percent	37%, 42%, 0%
CMY	0.6274, 0.5765, 0.9998
CMYK	0.12, 0.00, 1.00, 0.58
HSL	67°, 100%, 21%
HSV	67°, 100%, 42%
XYZ	10.0825, 13.1580, 2.0099
YIQ	91.8010, 26.9200, -36.3440

Conversions

Conversions Part 2

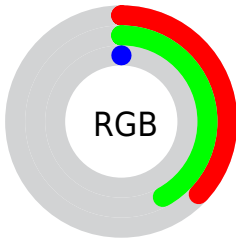
Format	Color
RYB	0, 108, 13
Decimal	6253568
CIELab	43.00, -17.62, 48.87
CIELCh	43, 51.948, 109.830
Yxy	13.1580, 0.3993, 0.5211
Android (android.graphics.Color)	4284443648 (0xFF5F6C00)
YUV	91.8010, -45.2579, 2.8055
Hunter-Lab	36.2740, -13.8646, 22.1065

Details

The Yxy color **13.1580, 0.3993, 0.5211** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1701, 0.1570, 0.0639**, and the grayscale version is **10.7578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5121, 0.3873, 0.4765**, and **3.8730, 0.3768, 0.5390** is the 20% darker color. If you saturate the color by 10%, you get **13.1581, 0.3993, 0.5211**, and if you desaturate by 10%, it is **13.2525, 0.3975, 0.5125**.

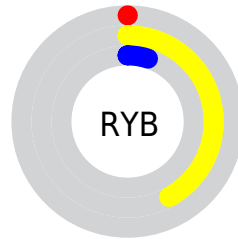
Distribution



Red (37%)

Green (42%)

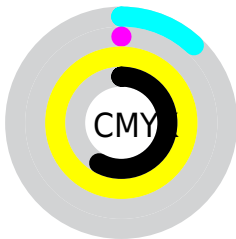
Blue (0%)



Red (0%)

Yellow (42%)

Blue (5%)

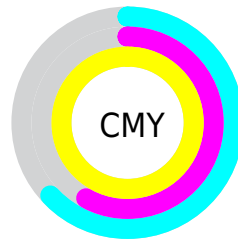


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (63%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1580, 0.3993, 0.5211 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 13.1580, 0.3993, 0.5211 by changing the saturation by 10% instead.


 13.1580, 0.3993,
0.5211


 13.1580, 0.3993,
0.5211

 211.9278, 0.3565,
0.4077


 7.5374, 0.4052,
0.5536


 31.5873, 0.3864,
0.4768


 3.8004, 0.4054,
0.5946


 45.1649, 0.3804,
0.4608


 1.5626, 0.3760,
0.6240

 62.1636, 0.3750,
0.4478

 0.3322, 0.0000,
1.0000

 82.9678, 0.3703,
0.4369


 0.0000, 0.0000,
0.0000


 107.9620, 0.3662,
0.4279


 137.5304, 0.3625,


0.4201

 172.0576, 0.3593,
0.4135


 13.1580, 0.3993,
0.5211

 13.1580, 0.3993,
0.5211

 13.1581, 0.3993,
0.5211

 13.2525, 0.3975,
0.5125

 13.3567, 0.3944,
0.5017

 13.4795, 0.3889,
0.4870

 13.6228, 0.3813,
0.4688

 13.7883, 0.3719,
0.4477

■ 13.9775, 0.3611,
0.4247

■ 14.1919, 0.3493,
0.4005

■ 14.4327, 0.3371,
0.3761

■ 14.7010, 0.3247,
0.3521

Harmonies

Analogous

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



13.1580, 0.4825, 0.4564



13.1580, 0.3993, 0.5211



13.1580, 0.3007, 0.5264

Triad

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



13.1580, 0.3993, 0.5211



13.1580, 0.1368, 0.2199



13.1580, 0.4059, 0.2465

Complementary

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



13.1580, 0.3993, 0.5211



1.1701, 0.1570, 0.0639

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.



13.1580, 0.2922, 0.1989



13.1580, 0.3993, 0.5211



13.1580, 0.1535, 0.1803

Square

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



13.1580, 0.3993, 0.5211



13.1580, 0.1537, 0.3068



13.1580, 0.2041, 0.1756



13.1580, 0.4992, 0.3100

Rectangle

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



13.1580, 0.3993, 0.5211



13.1580, 0.2378, 0.4737



13.1580, 0.2041, 0.1756



13.1580, 0.3673, 0.2283

Sweetspot

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



13.1586, 0.3993, 0.5211



24.8806, 0.3504, 0.4027



3.4674, 0.6243, 0.3423



5.9923, 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.



13.1586, 0.3993, 0.5211



23.0671, 0.3988, 0.5216



11.2059, 0.3256, 0.5796



3.5660, 0.3235, 0.3497



15.6866, 0.3991, 0.5213



79.6802, 0.3979, 0.5222

Inverse Universe

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



1.1701, 0.1570, 0.0639



2.0190, 0.1555, 0.0630



2.2641, 0.2311, 0.1047



3.0410, 0.3014, 0.3076



1.3858, 0.1564, 0.0635



6.8485, 0.1536, 0.0620

Previews

White Background



This preview shows how the Yxy color 13.1580, 0.3993, 0.5211 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 13.1580, 0.3993, 0.5211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

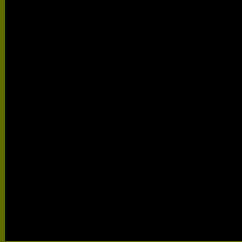
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1580, 0.3993, 0.5211

Background



This preview shows how black text looks on a background with the Yxy color 13.1580, 0.3993, 0.5211.



This preview shows how white text looks on a background with the Yxy color 13.1580, 0.3993, 0.5211.

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

13.1580, 0.3993, 0.5211

Protanopia

13.1476, 0.4397, 0.4891

Deuteranopia

12.9986, 0.4617, 0.4548



Tritanopia

13.0806, 0.3063, 0.3116

Trichromacy



Original Color

13.1580, 0.3993, 0.5211

Protanomaly

13.0888, 0.4256, 0.5003

Deuteranomaly

12.8515, 0.4403, 0.4787

Tritanomaly

12.8395, 0.3545, 0.4071

Monochromacy



Original Color

13.1580, 0.3993, 0.5211

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.3783, 0.3599, 0.4234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1580, 0.3993, 0.5211 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(95, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 108, 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(95, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1580, 0.3993, 0.5211 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(95, 108, 0) }
```

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

```
.border{ border-color:rgb(95, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 108, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1580, 0.3993, 0.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 108, 0) }
```

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

```
.background{ background-color: rgb(95, 108,  
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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