

Converting Colors

$Y_{xy}(13.2769, 0.5629, 0.3912)$

Have a look what the booklet for
Yxy(13.2769, 0.5629, 0.3912)
contains.

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Color

Yxy(13.2927, 0.5627, 0.3914)

Conversions

Conversions Part 1

Format	Color
Hex	AB4800
RGB	171, 72, 0
RGB Percent	67%, 28%, 0%
CMY	0.3295, 0.7176, 0.9999
CMYK	0.00, 0.58, 1.00, 0.33
HSL	25°, 100%, 34%
HSV	25°, 100%, 67%
XYZ	19.1104, 13.2927, 1.5589
YIQ	93.3930, 82.1160, -1.4040

Conversions

Conversions Part 2

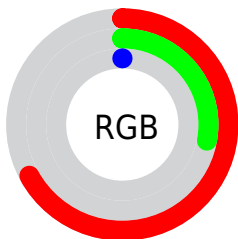
Format	Color
RYB	171, 124, 0
Decimal	11225088
CIELab	43.20, 37.74, 53.51
CIElCh	43, 65.479, 54.802
Yxy	13.2927, 0.5627, 0.3914
Android (android.graphics.Color)	4289415168 (0xFFAB4800)
YUV	93.3930, -46.0427, 68.0613
Hunter-Lab	36.4592, 29.7588, 22.9864

Details

The Yxy color **13.2927, 0.5627, 0.3914** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.8615, 0.1849, 0.1857**, and the grayscale version is **11.1404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7850, 0.5112, 0.3922**, and **3.9158, 0.6128, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **13.2923, 0.5627, 0.3914**, and if you desaturate by 10%, it is **14.7191, 0.5387, 0.3983**.

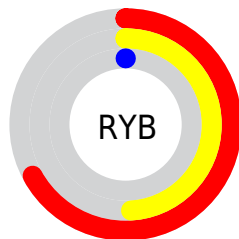
Distribution



Red (67%)

Green (28%)

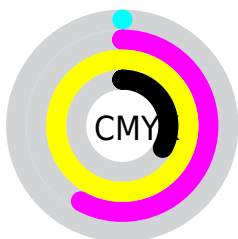
Blue (0%)



Red (67%)

Yellow (49%)

Blue (0%)

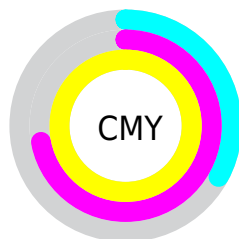


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (72%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2927, 0.5627, 0.3914 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 13.2927, 0.5627, 0.3914 by changing the saturation by 10% instead.


 13.2927, 0.5627,
0.3914


 13.2927, 0.5627,
0.3914


 212.7851, 0.4226,
0.3747


 7.6304, 0.6003,
0.3864


 31.8286, 0.5112,
0.3927


 3.8594, 0.6351,
0.3649

 45.4711, 0.4916,
0.3905

 1.5952, 0.6761,
0.3239

 62.5424, 0.4751,
0.3879

 0.3544, 0.7897,
0.2103

 83.4269, 0.4612,
0.3850

 0.0000, 1.0000,
0.0000

 108.5090, 0.4494,
0.3822

 0.0000, 0.0000,
0.0000

 138.1732, 0.4392,


0.3795

 172.8037, 0.4303,
0.3770


 13.2927, 0.5627,
0.3914

 13.2927, 0.5627,
0.3914


 13.2923, 0.5627,
0.3914

 14.7191, 0.5387,
0.3983

 16.3952, 0.5111,
0.4010

 18.3443, 0.4808,
0.3987

 20.5812, 0.4500,
0.3924

 23.1189, 0.4204,
0.3834

■ 25.9697, 0.3932,
0.3728

■ 29.1449, 0.3688,
0.3615

■ 32.6553, 0.3474,
0.3502

■ 36.5111, 0.3288,
0.3393

Harmonies

Analogous

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



13.2927, 0.5555, 0.3119



13.2927, 0.5627, 0.3914



13.2927, 0.4926, 0.4838

Triad

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



13.2927, 0.5627, 0.3914



13.2927, 0.1704, 0.4344



13.2927, 0.1955, 0.1514

Complementary

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



13.2927, 0.5627, 0.3914



11.8615, 0.1849, 0.1857

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.



13.2927, 0.1326, 0.1497



13.2927, 0.5627, 0.3914



13.2927, 0.1174, 0.2736

Square

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



13.2927, 0.5627, 0.3914



13.2927, 0.2694, 0.5741



13.2927, 0.1080, 0.1837



13.2927, 0.3070, 0.1825

Rectangle

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



13.2927, 0.5627, 0.3914



13.2927, 0.4228, 0.5452



13.2927, 0.1080, 0.1837



13.2927, 0.1696, 0.1475

Sweetspot

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



13.2935, 0.5627, 0.3914



51.8826, 0.3701, 0.3622



9.5723, 0.4599, 0.2307



11.0377, 0.3798, 0.3668



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.2935, 0.5627, 0.3914



23.4095, 0.5656, 0.3891



32.6832, 0.4346, 0.4931



8.5489, 0.3276, 0.3386



10.1215, 0.5610, 0.3927



0.3914, 0.5079, 0.4349

Inverse Universe

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



11.8615, 0.1849, 0.1857



20.8153, 0.1842, 0.1831



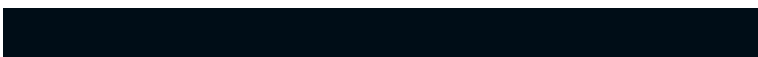
3.2611, 0.1516, 0.0658



8.4982, 0.2986, 0.3192



9.0479, 0.1854, 0.1872



0.3569, 0.1986, 0.2348

Previews

White Background



This preview shows how the Yxy color 13.2927, 0.5627, 0.3914 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 13.2927, 0.5627, 0.3914 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 13.2927, 0.5627, 0.3914

Background



This preview shows how black text looks on a background with the Yxy color 13.2927, 0.5627, 0.3914.



This preview shows how white text looks on a background with the Yxy color 13.2927, 0.5627, 0.3914.

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

13.2927, 0.5627, 0.3914

Protanopia

13.4509, 0.4331, 0.4796

Deuteranopia

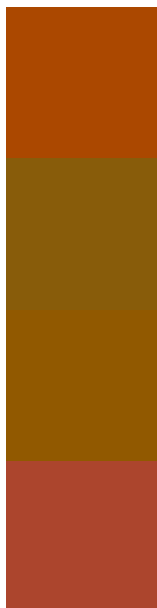
13.4812, 0.4690, 0.4658



Tritanopia

13.3535, 0.4947, 0.3241

Trichromacy



Original Color

13.2927, 0.5627, 0.3914

Protanomaly

12.9104, 0.4842, 0.4454

Deuteranomaly

13.1645, 0.5058, 0.4366

Tritanomaly

13.2164, 0.5326, 0.3588

Monochromacy



Original Color

13.2927, 0.5627, 0.3914

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8777, 0.4197, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2927, 0.5627, 0.3914 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(171, 72, 0)` looks like.

```
.text, #text, p{  
  color:rgb(171, 72, 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(171, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2927, 0.5627, 0.3914 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(171, 72, 0) }
```

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

```
.border{ border-color:rgb(171, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 72, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2927, 0.5627, 0.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 72, 0) }
```

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

```
.background{ background-color: rgb(171, 72,  
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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