

Converting Colors

$Y_{xy}(13.3442, 0.5449, 0.3911)$

Have a look what the booklet for
Yxy(13.3442, 0.5449, 0.3911)
contains.

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Color

Yxy(13.2913, 0.5457, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	A74B12
RGB	167, 75, 18
RGB Percent	65%, 29%, 7%
CMY	0.3452, 0.7058, 0.9294
CMYK	0.00, 0.55, 0.89, 0.35
HSL	23°, 81%, 36%
HSV	23°, 89%, 65%
XYZ	18.5595, 13.2913, 2.1597
YIQ	96.0100, 73.1290, 1.7770

Conversions

Conversions Part 2

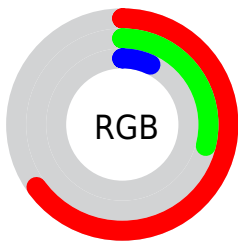
Format	Color
R _Y B	167, 110, 18
Decimal	10963730
CIE Lab	43.20, 34.91, 47.93
CIE LCh	43, 59.294, 53.932
Yxy	13.2913, 0.5457, 0.3908
Android (android.graphics.Color)	4289153810 (0xFFA74B12)
YUV	96.0100, -38.4589, 62.2582
Hunter-Lab	36.4572, 27.0700, 22.0078

Details

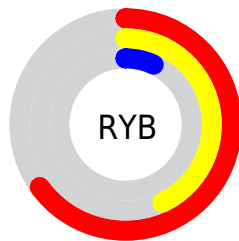
The Yxy color **13.2913, 0.5457, 0.3908** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.0645, 0.1955, 0.2149**, and the grayscale version is **11.7830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8330, 0.4950, 0.3891**, and **3.8834, 0.6037, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **11.9640, 0.5712, 0.3836**, and if you desaturate by 10%, it is **14.8818, 0.5160, 0.3937**.

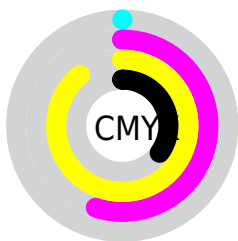
Distribution



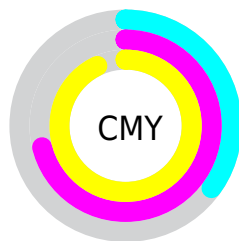
- Red (65%)
- Green (29%)
- Blue (7%)



- Red (65%)
- Yellow (43%)
- Blue (7%)



- Cyan (0%)
- Magenta (55%)
- Yellow (89%)
- Black (35%)




- Cyan (35%)
- Magenta (71%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2913, 0.5457, 0.3908 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 13.2913, 0.5457, 0.3908 by changing the saturation by 10% instead.


 13.2913, 0.5457,
0.3908


 13.2913, 0.5457,
0.3908


212.7762, 0.4125,
0.3703

 7.6294, 0.5804,
0.3866


 31.8261, 0.4952,
0.3890

 3.8588, 0.6254,
0.3746

 45.4679, 0.4765,
0.3863


 1.5949, 0.6645,
0.3355

 62.5384, 0.4611,
0.3833

 0.3541, 0.7777,
0.2223

 83.4221, 0.4481,
0.3804


 0.0000, 1.0000,
0.0000


 108.5033, 0.4371,
0.3776


 0.0000, 0.0000,
0.0000


 138.1665, 0.4277,

0.3749

 172.7960, 0.4196,
0.3725


 13.2913, 0.5457,
0.3908


 13.2913, 0.5457,
0.3908


 11.9640, 0.5712,
0.3836


 14.8818, 0.5160,
0.3937

 11.8697, 0.5732,
0.3831

 16.7555, 0.4838,
0.3918

 18.9286, 0.4513,
0.3861

 21.4152, 0.4206,
0.3778

 24.2283, 0.3926,
0.3681

■ 27.3802, 0.3677,
0.3578

■ 30.8824, 0.3461,
0.3475

■ 34.7457, 0.3275,
0.3376

■ 38.9807, 0.3116,
0.3283

Harmonies

Analogous

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



13.2913, 0.5326, 0.3145



13.2913, 0.5457, 0.3908



13.2913, 0.4858, 0.4752

Triad

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



13.2913, 0.5457, 0.3908



13.2913, 0.1853, 0.4287



13.2913, 0.2024, 0.1625

Complementary

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



13.2913, 0.5457, 0.3908



14.0645, 0.1955, 0.2149

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.



13.2913, 0.1433, 0.1624



13.2913, 0.5457, 0.3908



13.2913, 0.1320, 0.2842

Square

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



13.2913, 0.5457, 0.3908



13.2913, 0.2799, 0.5496



13.2913, 0.1206, 0.1974



13.2913, 0.3049, 0.1914

Rectangle

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



13.2913, 0.5457, 0.3908



13.2913, 0.4231, 0.5291



13.2913, 0.1206, 0.1974



13.2913, 0.1781, 0.1592

Sweetspot

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



13.2920, 0.5457, 0.3908



50.0844, 0.3638, 0.3560



9.8246, 0.4220, 0.2171



10.7723, 0.3713, 0.3594



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.2920, 0.5457, 0.3908



20.8915, 0.5763, 0.3806



29.1630, 0.4382, 0.4823



7.9954, 0.3276, 0.3377



9.1732, 0.5715, 0.3844



0.3224, 0.5113, 0.4322

Inverse Universe

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



14.0645, 0.1955, 0.2149



21.9931, 0.1881, 0.1971



4.2960, 0.1609, 0.0874



8.0425, 0.2987, 0.3202



9.6689, 0.1891, 0.2009



0.3295, 0.2023, 0.2481

Previews

White Background



This preview shows how the Yxy color 13.2913, 0.5457, 0.3908 looks on a white background.

Color Contrast Check

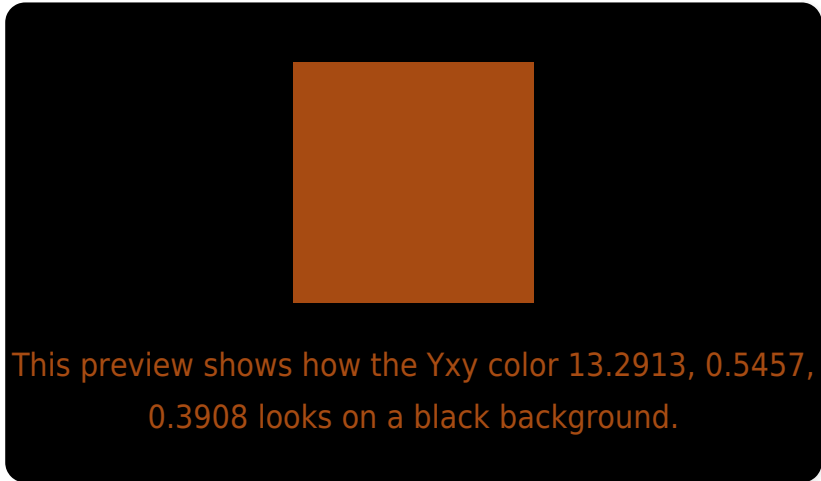
Large Text (above 18pt) WCAG AA ✓ Pass

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

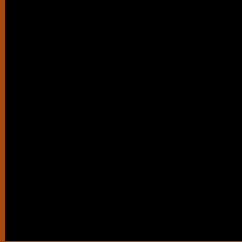
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2913, 0.5457, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 13.2913, 0.5457, 0.3908.



This preview shows how white text looks on a background with the Yxy color 13.2913, 0.5457, 0.3908.

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

13.2913, 0.5457, 0.3908

Protanopia

13.4837, 0.4277, 0.4716

Deuteranopia

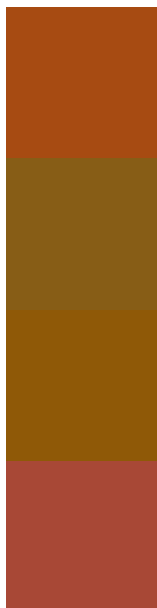
13.2952, 0.4708, 0.4644



Tritanopia

13.3233, 0.4796, 0.3224

Trichromacy



Original Color

13.2913, 0.5457, 0.3908

Protanomaly

13.0375, 0.4743, 0.4401

Deuteranomaly

12.9997, 0.5003, 0.4353

Tritanomaly

13.2259, 0.5116, 0.3537

Monochromacy



Original Color

13.2913, 0.5457, 0.3908

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5344, 0.4035, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2913, 0.5457, 0.3908 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(167, 75, 18)` looks like.

```
.text, #text, p{  
    color:rgb(167, 75, 18)  
}
```

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(167, 75, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 75, 18) }
```

Border

The CSS property to change the border of an element to Yxy 13.2913, 0.5457, 0.3908 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(167, 75, 18) }
```

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

```
.border{ border-color:rgb(167, 75, 18) }
```

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

Here you see how a box with a 4 pixel rgb(167, 75, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 75, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 75, 18);  
box-shadow:4px 4px 4px 4px rgb(167, 75,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2913, 0.5457, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 75, 18) }
```

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

```
.background{ background-color: rgb(167, 75,  
18) }
```

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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