

Converting Colors

$Yxy(13.8204, 0.5389, 0.4103)$

Have a look what the booklet for
Yxy(13.8204, 0.5389, 0.4103)
contains.

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Color

Yxy(13.8211, 0.5384, 0.4107)

Conversions

Conversions Part 1

Format	Color
Hex	A35200
RGB	163, 82, 0
RGB Percent	64%, 32%, 0%
CMY	0.3609, 0.6784, 1.0000
CMYK	0.00, 0.50, 1.00, 0.36
HSL	30°, 100%, 32%
HSV	30°, 100%, 64%
XYZ	18.1185, 13.8211, 1.7129
YIQ	96.8710, 74.5980, -8.3300

Conversions

Conversions Part 2

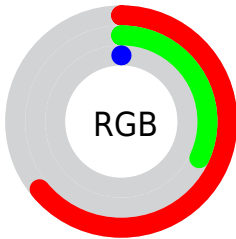
Format	Color
R _Y B	161, 163, 0
Decimal	10703360
CIE Lab	43.98, 29.25, 53.29
CIE LCh	44, 60.790, 61.242
Yxy	13.8211, 0.5384, 0.4107
Android (android.graphics.Color)	4288893440 (0xFFA35200)
YUV	96.8710, -47.7574, 57.9951
Hunter-Lab	37.1767, 21.9348, 23.2919

Details

The Yxy color **13.8211, 0.5384, 0.4107** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.5238, 0.1773, 0.1583**, and the grayscale version is **12.0279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9278, 0.4920, 0.4061**, and **4.1451, 0.5777, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **13.8212, 0.5384, 0.4107**, and if you desaturate by 10%, it is **15.1545, 0.5175, 0.4158**.

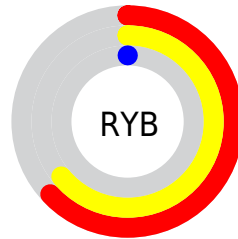
Distribution



Red (64%)

Green (32%)

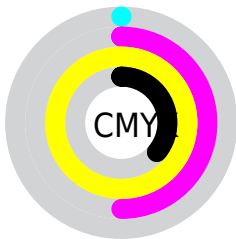
Blue (0%)



Red (63%)

Yellow (64%)

Blue (0%)

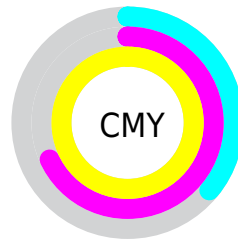


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8211, 0.5384, 0.4107 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 13.8211, 0.5384, 0.4107 by changing the saturation by 10% instead.


 13.8211, 0.5384,
0.4107


 13.8211, 0.5384,
0.4107


 216.1150, 0.4127,
0.3802


 7.9963, 0.5710,
0.4100


 32.7713, 0.4923,
0.4057


 4.0926, 0.6034,
0.3966

 46.6655, 0.4747,
0.4016

 1.7255, 0.6368,
0.3632

 64.0182, 0.4600,
0.3974

 0.4401, 0.7261,
0.2739

 85.2140, 0.4475,
0.3934


 0.0000, 1.0000,
0.0000


 110.6372, 0.4368,
0.3896


 0.0000, 0.0000,
0.0000

 140.6722, 0.4276,


0.3862

 175.7033, 0.4196,
0.3831


 13.8211, 0.5384,
0.4107


 13.8211, 0.5384,
0.4107


 13.8212, 0.5384,
0.4107

 15.1545, 0.5175,
0.4158

 16.6671, 0.4938,
0.4166

 18.3770, 0.4677,
0.4124

 20.2945, 0.4407,
0.4043

 22.4284, 0.4143,
0.3933

■ 24.7871, 0.3895,
0.3808

■ 27.3782, 0.3669,
0.3675

■ 30.2090, 0.3465,
0.3542

■ 33.2863, 0.3285,
0.3412

Harmonies

Analogous

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



13.8211, 0.5467, 0.3320



13.8211, 0.5384, 0.4107



13.8211, 0.4651, 0.4969

Triad

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



13.8211, 0.5384, 0.4107



13.8211, 0.1664, 0.3912



13.8211, 0.2224, 0.1657

Complementary

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



13.8211, 0.5384, 0.4107



8.5238, 0.1773, 0.1583

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.



13.8211, 0.1526, 0.1581



13.8211, 0.5384, 0.4107



13.8211, 0.1242, 0.2561

Square

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



13.8211, 0.5384, 0.4107



13.8211, 0.2533, 0.5327



13.8211, 0.1216, 0.1834



13.8211, 0.3358, 0.2014

Rectangle

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



13.8211, 0.5384, 0.4107



13.8211, 0.3980, 0.5470



13.8211, 0.1216, 0.1834



13.8211, 0.1943, 0.1599

Sweetspot

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



13.8219, 0.5384, 0.4107



48.7739, 0.3681, 0.3682



8.3861, 0.4939, 0.2495



10.5267, 0.3769, 0.3736



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.8219, 0.5384, 0.4107



24.3580, 0.5411, 0.4086



33.9715, 0.4193, 0.5053



7.6474, 0.3273, 0.3403



10.8356, 0.5370, 0.4118



0.3222, 0.4845, 0.4535

Inverse Universe

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



8.5238, 0.1773, 0.1583



14.8681, 0.1765, 0.1552



2.6438, 0.1500, 0.0600



7.4139, 0.2987, 0.3174



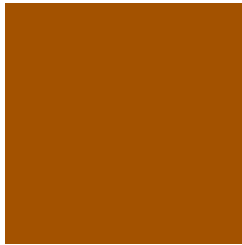
6.7166, 0.1777, 0.1599



0.2357, 0.1963, 0.2265

Previews

White Background



This preview shows how the Yxy color 13.8211, 0.5384, 0.4107 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 13.8211, 0.5384, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 13.8211, 0.5384, 0.4107.



This preview shows how white text looks on a background with the Yxy color 13.8211, 0.5384, 0.4107.

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

13.8211, 0.5384, 0.4107

Protanopia

13.9864, 0.4340, 0.4816

Deuteranopia

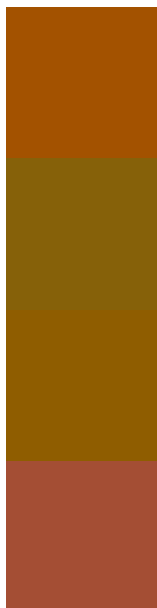
13.8292, 0.4700, 0.4650



Tritanopia

13.7774, 0.4563, 0.3203

Trichromacy



Original Color

13.8211, 0.5384, 0.4107

Protanomaly

13.6374, 0.4728, 0.4555

Deuteranomaly

13.6683, 0.4958, 0.4446

Tritanomaly

13.5892, 0.5024, 0.3660

Monochromacy



Original Color

13.8211, 0.5384, 0.4107

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0670, 0.4075, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8211, 0.5384, 0.4107 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(163, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 82, 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(163, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 82, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8211, 0.5384, 0.4107 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(163, 82, 0) }
```

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

```
.border{ border-color:rgb(163, 82, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 82, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 82, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8211, 0.5384, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 82, 0) }
```

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

```
.background{ background-color: rgb(163, 82,  
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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