

Converting Colors

$Y_{xy}(44.5090, 0.5124, 0.4314)$

Have a look what the booklet for
Yxy(44.5090, 0.5124, 0.4314)
contains.

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Color

Yxy(44.3712, 0.5128, 0.4310)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A00
RGB	255, 154, 0
RGB Percent	100%, 60%, 0%
CMY	0.0001, 0.3960, 0.9994
CMYK	0.00, 0.40, 1.00, 0.00
HSL	36°, 100%, 50%
HSV	36°, 100%, 100%
XYZ	52.7925, 44.3712, 5.7858
YIQ	166.6430, 109.6300, -26.4820

Conversions

Conversions Part 2

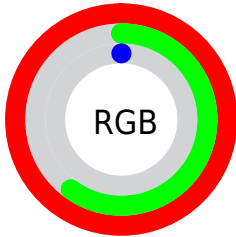
Format	Color
R_{YB}	167, 255, 0
Decimal	16751104
CIE _{Lab}	72.48, 29.64, 77.35
CIE _{LCh}	72, 82.840, 69.032
Yxy	44.3712, 0.5128, 0.4310
Android (android.graphics.Color)	4294941184 (0xFFFF9A00)
YUV	166.6430, -82.1550, 77.4891
Hunter-Lab	66.6117, 24.8979, 41.4784

Details

The Yxy color **44.3712, 0.5128, 0.4310** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **16.5497, 0.1672, 0.1218**, and the grayscale version is **38.8379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3968, 0.4377, 0.4512**, and **20.5791, 0.5311, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **44.3544, 0.5129, 0.4310**, and if you desaturate by 10%, it is **47.9231, 0.4976, 0.4358**.

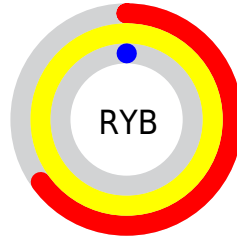
Distribution



Red (100%)

Green (60%)

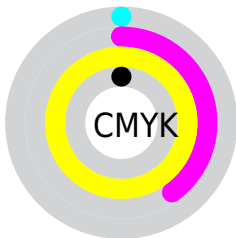
Blue (0%)



Red (65%)

Yellow (100%)

Blue (0%)

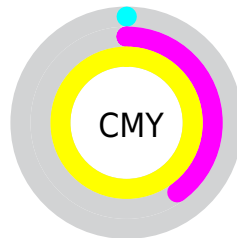


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3712, 0.5128, 0.4310 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 44.3712, 0.5128, 0.4310 by changing the saturation by 10% instead.


 44.3712, 0.5128,
0.4310


 44.3712, 0.5128,
0.4310


364.2209, 0.4222,
0.3966

 30.9624, 0.5298,
0.4332


 81.7760, 0.4838,
0.4233


 20.5702, 0.5480,
0.4327


 106.5409, 0.4716,
0.4189


 12.8102, 0.5702,
0.4298


 135.8599, 0.4609,
0.4147

 7.2980, 0.5859,
0.4141

 170.1174, 0.4513,
0.4106

 3.6492, 0.6089,
0.3911

 209.6979, 0.4428,
0.4067

 1.4793, 0.6452,
0.3548

 254.9857, 0.4352,


 0.2741, 0.7836,


0.4031


0.2164


 306.3652, 0.4284,
0.3997

 0.0000, 0.0000,
0.0000

 44.3712, 0.5128,
0.4310

 44.3712, 0.5128,
0.4310


 44.3544, 0.5129,
0.4310

 47.9231, 0.4976,
0.4358

 51.8547, 0.4790,
0.4357

 56.2033, 0.4576,
0.4303

 60.9926, 0.4344,
0.4204

 66.2436, 0.4109,
0.4073

71.9749, 0.3880,
0.3922

78.2038, 0.3664,
0.3761

84.9465, 0.3466,
0.3599

92.2180, 0.3287,
0.3440

Harmonies

Analogous

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



44.3712, 0.5366, 0.3537



44.3712, 0.5128, 0.4310



44.3712, 0.4359, 0.5089

Triad

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



44.3712, 0.5128, 0.4310



44.3712, 0.1615, 0.3506



44.3712, 0.2527, 0.1810

Complementary

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



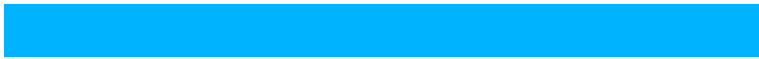
44.3712, 0.5128, 0.4310



16.5497, 0.1672, 0.1218

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.



44.3712, 0.1752, 0.1667



44.3712, 0.5128, 0.4310



44.3712, 0.1307, 0.2394

Square

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



44.3712, 0.5128, 0.4310



44.3712, 0.2348, 0.4876



44.3712, 0.1362, 0.1827



44.3712, 0.3668, 0.2218

Rectangle

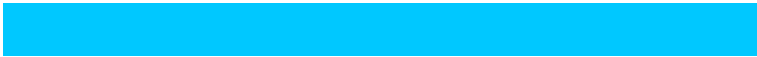
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.3712, 0.5128, 0.4310



44.3712, 0.3702, 0.5440



44.3712, 0.1362, 0.1827



44.3712, 0.2222, 0.1731

Sweetspot

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



44.3735, 0.5128, 0.4310



78.1774, 0.3665, 0.3762



22.2213, 0.5425, 0.2762



16.1580, 0.3754, 0.3831



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.3735, 0.5128, 0.4310



44.3601, 0.5129, 0.4310



88.2517, 0.4015, 0.5194



19.8120, 0.3279, 0.3433



23.4788, 0.5109, 0.4325



2.4995, 0.4976, 0.4431

Inverse Universe

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



16.5497, 0.1672, 0.1218



16.5339, 0.1672, 0.1217



7.4369, 0.1527, 0.0615



18.5586, 0.2979, 0.3142



8.9106, 0.1680, 0.1247



1.0737, 0.1742, 0.1471

Previews

White Background



This preview shows how the Yxy color 44.3712, 0.5128, 0.4310 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 44.3712, 0.5128, 0.4310 looks on a black 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 ✓ Pass

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

Yxy 44.3712, 0.5128, 0.4310

Background



This preview shows how black text looks on a background with the Yxy color 44.3712, 0.5128, 0.4310.



This preview shows how white text looks on a background with the Yxy color 44.3712, 0.5128, 0.4310.

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

44.3712, 0.5128, 0.4310

Protanopia

44.7047, 0.4376, 0.4851

Deuteranopia

44.3835, 0.4722, 0.4633



Tritanopia

44.5277, 0.4143, 0.3199

Trichromacy



Original Color

44.3712, 0.5128, 0.4310

Protanomaly

44.1481, 0.4662, 0.4650

Deuteranomaly

44.3838, 0.4870, 0.4515

Tritanomaly

43.9735, 0.4698, 0.3797

Monochromacy



Original Color

44.3712, 0.5128, 0.4310

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0234, 0.4020, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3712, 0.5128, 0.4310 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(255, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 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(255, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.3712, 0.5128, 0.4310 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(255, 154, 0) }
```

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

```
.border{ border-color:rgb(255, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3712, 0.5128, 0.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 0) }
```

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

```
.background{ background-color: rgb(255,  
154, 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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