

Converting Colors

$Y_{xy}(44.1517, 0.5136, 0.4304)$

Have a look what the booklet for
Yxy(44.1517, 0.5136, 0.4304)
contains.

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Color

Yxy(44.0425, 0.5140, 0.4301)

Conversions

Conversions Part 1

Format	Color
Hex	FF9900
RGB	255, 153, 0
RGB Percent	100%, 60%, 0%
CMY	0.0000, 0.4000, 1.0000
CMYK	0.00, 0.40, 1.00, 0.00
HSL	36°, 100%, 50%
HSV	36°, 100%, 100%
XYZ	52.6339, 44.0425, 5.7242
YIQ	166.0560, 109.9050, -25.9590

Conversions

Conversions Part 2

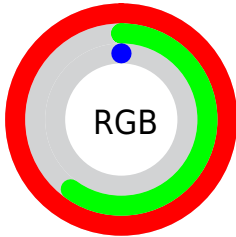
Format	Color
R_{YB}	170, 255, 0
Decimal	16750848
CIE _{Lab}	72.26, 30.18, 77.24
CIE _{LCh}	72, 82.929, 68.661
Yxy	44.0425, 0.5140, 0.4301
Android (android.graphics.Color)	4294940928 (0xFFFF9900)
YUV	166.0560, -81.8656, 78.0039
Hunter-Lab	66.3645, 25.4310, 41.3412

Details

The Yxy color **44.0425, 0.5140, 0.4301** is a dark color, and the websafe version is hex **FF9900**, and the color name is **vivid gamboge**. The color can be described as middle saturated orange. A complement of this color would be **16.7224, 0.1675, 0.1228**, and the grayscale version is **38.5257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9076, 0.4385, 0.4504**, and **20.3837, 0.5326, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **44.0430, 0.5140, 0.4301**, and if you desaturate by 10%, it is **47.5984, 0.4986, 0.4350**.

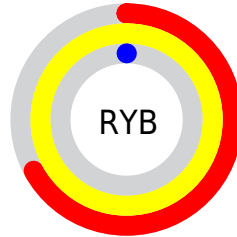
Distribution



Red (100%)

Green (60%)

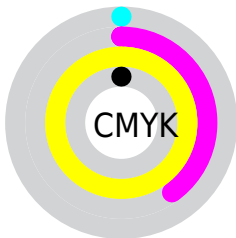
Blue (0%)



Red (67%)

Yellow (100%)

Blue (0%)

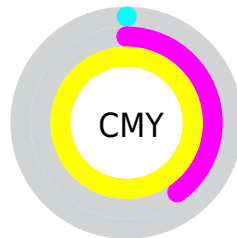


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0425, 0.5140, 0.4301 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 44.0425, 0.5140, 0.4301 by changing the saturation by 10% instead.


 44.0425, 0.5140,
0.4301


 44.0425, 0.5140,
0.4301

362.8817, 0.4227,
0.3962


 30.7039, 0.5311,
0.4321


 81.2817, 0.4847,
0.4226


 20.3735, 0.5496,
0.4314


 105.9511, 0.4725,
0.4183


 12.6668, 0.5719,
0.4281


 135.1662, 0.4617,
0.4141

 7.1995, 0.5880,
0.4120

 169.3115, 0.4520,
0.4101

 3.5872, 0.6114,
0.3886

 208.7713, 0.4435,
0.4062


 1.4454, 0.6487,
0.3513

 253.9300, 0.4358,


 0.2499, 0.7970,


0.4027


0.2030


 305.1720, 0.4289,
0.3993


 0.0000, 0.0000,
0.0000


 44.0425, 0.5140,
0.4301


 44.0425, 0.5140,
0.4301


 44.0430, 0.5140,
0.4301

 47.5984, 0.4986,
0.4350

 51.5403, 0.4799,
0.4350

 55.9043, 0.4583,
0.4297


 60.7144, 0.4350,
0.4200

 65.9915, 0.4113,
0.4070

 71.7547, 0.3883,
0.3919

 78.0213, 0.3666,
0.3759

 84.8077, 0.3467,
0.3598

 92.1291, 0.3288,
0.3440

Harmonies

Analogous

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



44.0425, 0.5372, 0.3527



44.0425, 0.5140, 0.4301



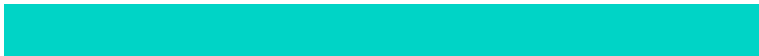
44.0425, 0.4372, 0.5085

Triad

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



44.0425, 0.5140, 0.4301



44.0425, 0.1617, 0.3523



44.0425, 0.2513, 0.1802

Complementary

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



44.0425, 0.5140, 0.4301



16.7224, 0.1675, 0.1228

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.



44.0425, 0.1741, 0.1663



44.0425, 0.5140, 0.4301



44.0425, 0.1304, 0.2401

Square

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



44.0425, 0.5140, 0.4301



44.0425, 0.2356, 0.4897



44.0425, 0.1355, 0.1827



44.0425, 0.3655, 0.2208

Rectangle

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



44.0425, 0.5140, 0.4301



44.0425, 0.3715, 0.5443



44.0425, 0.1355, 0.1827



44.0425, 0.2209, 0.1725

Sweetspot

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



44.0430, 0.5140, 0.4301



78.0213, 0.3666, 0.3759



22.2193, 0.5427, 0.2763



16.1209, 0.3756, 0.3827



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.



44.0430, 0.5140, 0.4301



88.2604, 0.4015, 0.5194



19.8001, 0.3279, 0.3432



23.3136, 0.5120, 0.4317



2.4839, 0.4985, 0.4424

Inverse Universe

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



16.7224, 0.1675, 0.1228



7.4331, 0.1526, 0.0614



18.5702, 0.2979, 0.3143



9.0105, 0.1683, 0.1258



1.0841, 0.1745, 0.1482

Previews

White Background



This preview shows how the Yxy color 44.0425, 0.5140, 0.4301 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 44.0425, 0.5140, 0.4301 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 44.0425, 0.5140, 0.4301

Background



This preview shows how black text looks on a background with the Yxy color 44.0425, 0.5140, 0.4301.



This preview shows how white text looks on a background with the Yxy color 44.0425, 0.5140, 0.4301.

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

44.0425, 0.5140, 0.4301

Protanopia

44.1672, 0.4377, 0.4850

Deuteranopia

44.0128, 0.4733, 0.4624



Tritanopia

44.1843, 0.4158, 0.3199

Trichromacy



Original Color

44.0425, 0.5140, 0.4301

Protanomaly

43.6181, 0.4664, 0.4648

Deuteranomaly

44.0273, 0.4881, 0.4506

Tritanomaly

43.6557, 0.4706, 0.3787

Monochromacy



Original Color

44.0425, 0.5140, 0.4301

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5361, 0.4016, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0425, 0.5140, 0.4301 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, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.0425, 0.5140, 0.4301 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, 153, 0) }
```

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

```
.border{ border-color:rgb(255, 153, 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, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 44.0425, 0.5140, 0.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 0) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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