

Converting Colors

$Y_{xy}(44.1459, 0.5124, 0.4290)$

Have a look what the booklet for
Yxy(44.1459, 0.5124, 0.4290)
contains.

Yxy(44.0644, 0.5127, 0.4288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.0644, 0.5127, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	FF990A
RGB	255, 153, 10
RGB Percent	100%, 60%, 4%
CMY	0.0000, 0.4000, 0.9613
CMYK	0.00, 0.40, 0.96, 0.00
HSL	35°, 100%, 52%
HSV	35°, 96%, 100%
XYZ	52.6861, 44.0644, 6.0116
YIQ	167.1960, 106.6950, -22.8490

Conversions

Conversions Part 2

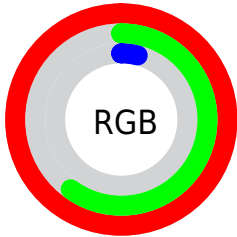
Format	Color
RYB	185, 255, 10
Decimal	16750858
CIELab	72.27, 30.25, 76.04
CIELCh	72, 81.832, 68.306
Yxy	44.0644, 0.5127, 0.4288
Android (android.graphics.Color)	4294940938 (0xFFFF990A)
YUV	167.1960, -77.4976, 77.0041
Hunter-Lab	66.3810, 25.5074, 41.0973

Details

The Yxy color **44.0644, 0.5127, 0.4288** 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 **18.8429, 0.1714, 0.1348**, and the grayscale version is **39.0852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9509, 0.4371, 0.4485**, and **20.3837, 0.5326, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **42.7227, 0.5187, 0.4264**, and if you desaturate by 10%, it is **47.7977, 0.4955, 0.4325**.

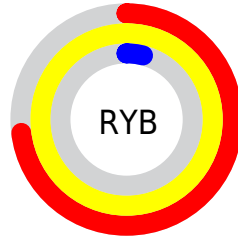
Distribution



Red (100%)

Green (60%)

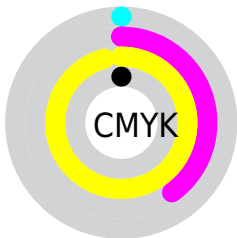
Blue (4%)



Red (73%)

Yellow (100%)

Blue (4%)

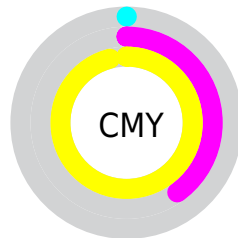


Cyan (0%)

Magenta (40%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0644, 0.5127, 0.4288 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 44.0644, 0.5127, 0.4288 by changing the saturation by 10% instead.

 44.0644, 0.5127,
0.4288


 44.0644, 0.5127,
0.4288


362.9710, 0.4216,
0.3950

 30.7211, 0.5300,
0.4310


 81.3146, 0.4833,
0.4212

 20.3866, 0.5487,
0.4305

 105.9904, 0.4711,
0.4169


 12.6764, 0.5721,
0.4279

 135.2125, 0.4603,
0.4127

 7.2061, 0.5882,
0.4118


 169.3652, 0.4507,
0.4087

 3.5913, 0.6117,
0.3883

 208.8331, 0.4422,
0.4049

 1.4477, 0.6489,
0.3511

 254.0004, 0.4345,

 0.2515, 0.7966,

0.4014

0.2034

305.2516, 0.4277,
0.3981

■ 0.0000, 0.0000,
0.0000

■ 44.0644, 0.5127,
0.4288

■ 44.0644, 0.5127,
0.4288

■ 42.7227, 0.5187,
0.4264

■ 47.7977, 0.4955,
0.4325

■ 51.9556, 0.4747,
0.4307

■ 56.5679, 0.4515,
0.4239

■ 61.6582, 0.4273,
0.4131

■ 67.2474, 0.4032,
0.3995

73.3546, 0.3802,
0.3844

79.9975, 0.3590,
0.3686

87.1927, 0.3396,
0.3530

94.9560, 0.3223,
0.3379

Harmonies

Analogous

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



44.0644, 0.5343, 0.3521



44.0644, 0.5127, 0.4288



44.0644, 0.4375, 0.5060

Triad

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



44.0644, 0.5127, 0.4288



44.0644, 0.1640, 0.3538



44.0644, 0.2509, 0.1814

Complementary

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



44.0644, 0.5127, 0.4288



18.8429, 0.1714, 0.1348

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.



44.0644, 0.1749, 0.1679



44.0644, 0.5127, 0.4288



44.0644, 0.1323, 0.2423

Square

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



44.0644, 0.5127, 0.4288



44.0644, 0.2379, 0.4885



44.0644, 0.1369, 0.1847



44.0644, 0.3634, 0.2214

Rectangle

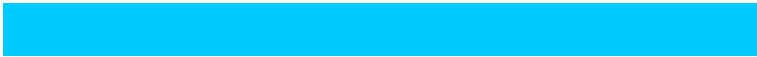
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.0644, 0.5127, 0.4288



44.0644, 0.3726, 0.5413



44.0644, 0.1369, 0.1847



44.0644, 0.2210, 0.1738

Sweetspot

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



44.0664, 0.5127, 0.4288



78.0335, 0.3649, 0.3732



22.6444, 0.5253, 0.2687



16.0959, 0.3740, 0.3799



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.



44.0664, 0.5127, 0.4288



42.7227, 0.5187, 0.4264



89.1312, 0.4046, 0.5156



19.7496, 0.3280, 0.3429



22.6253, 0.5166, 0.4280



2.4188, 0.5024, 0.4393

Inverse Universe

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



18.8429, 0.1714, 0.1348



17.5491, 0.1688, 0.1276



7.7149, 0.1539, 0.0635



18.6195, 0.2979, 0.3147



9.4481, 0.1696, 0.1306



1.1296, 0.1758, 0.1528

Previews

White Background



This preview shows how the Yxy color 44.0644, 0.5127, 0.4288 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 44.0644, 0.5127, 0.4288 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 44.0644, 0.5127, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 44.0644, 0.5127, 0.4288.



This preview shows how white text looks on a background with the Yxy color 44.0644, 0.5127, 0.4288.

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

44.0644, 0.5127, 0.4288

Protanopia

44.1781, 0.4371, 0.4842

Deuteranopia

44.0128, 0.4733, 0.4624



Tritanopia

44.1843, 0.4158, 0.3199

Trichromacy



Original Color

44.0644, 0.5127, 0.4288

Protanomaly

43.6353, 0.4654, 0.4635

Deuteranomaly

44.0360, 0.4876, 0.4500

Tritanomaly

43.7142, 0.4679, 0.3761

Monochromacy



Original Color

44.0644, 0.5127, 0.4288

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1086, 0.3984, 0.3965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0644, 0.5127, 0.4288 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 10) }
```

Border

The CSS property to change the border of an element to Yxy 44.0644, 0.5127, 0.4288 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, 10) }
```

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

```
.border{ border-color:rgb(255, 153, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0644, 0.5127, 0.4288 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, 10) }
```

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

```
.background{ background-color: rgb(255,  
153, 10) }
```

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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