

Converting Colors

$Y_{xy}(43.1572, 0.5151, 0.4254)$

Have a look what the booklet for
Yxy(43.1572, 0.5151, 0.4254)
contains.

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Color

Yxy(43.1072, 0.5153, 0.4253)

Conversions

Conversions Part 1

Format	Color
Hex	FF960F
RGB	255, 150, 15
RGB Percent	100%, 59%, 6%
CMY	0.0001, 0.4117, 0.9410
CMYK	0.00, 0.41, 0.94, 0.00
HSL	34°, 100%, 53%
HSV	34°, 94%, 100%
XYZ	52.2293, 43.1072, 6.0206
YIQ	166.0050, 105.9150, -19.7250

Conversions

Conversions Part 2

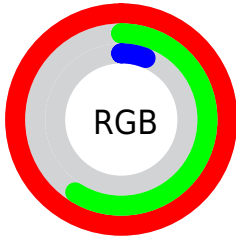
Format	Color
R _Y B	202, 255, 15
Decimal	16750095
CIE Lab	71.63, 31.83, 74.89
CIE LCh	72, 81.373, 66.970
Yxy	43.1072, 0.5153, 0.4253
Android (android.graphics.Color)	4294940175 (0xFFFF960F)
YUV	166.0050, -74.4455, 78.0486
Hunter-Lab	65.6561, 27.0985, 40.5224

Details

The Yxy color **43.1072, 0.5153, 0.4253** 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 **20.7557, 0.1746, 0.1451**, and the grayscale version is **38.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5318, 0.4384, 0.4447**, and **19.8117, 0.5372, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **41.0339, 0.5250, 0.4214**, and if you desaturate by 10%, it is **46.9634, 0.4963, 0.4284**.

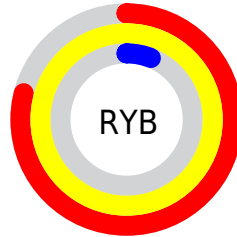
Distribution



Red (100%)

Green (59%)

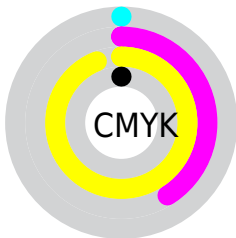
Blue (6%)



Red (79%)

Yellow (100%)

Blue (6%)

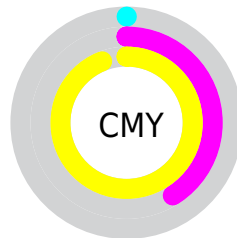


Cyan (0%)

Magenta (41%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1072, 0.5153, 0.4253 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 43.1072, 0.5153, 0.4253 by changing the saturation by 10% instead.


 43.1072, 0.5153,
0.4253


 43.1072, 0.5153,
0.4253


359.0524, 0.4223,
0.3932


 29.9692, 0.5332,
0.4271


 79.8726, 0.4851,
0.4183


 19.8152, 0.5527,
0.4261


 104.2688, 0.4726,
0.4142


 12.2608, 0.5771,
0.4229


 133.1866, 0.4616,
0.4102

 6.9216, 0.5943,
0.4057

 167.0103, 0.4518,
0.4064

 3.4131, 0.6194,
0.3806

 206.1244, 0.4431,
0.4027

 1.3510, 0.6592,
0.3408

 250.9131, 0.4354,

 0.1802, 0.8410,

0.3993

0.1590

301.7610, 0.4285,
0.3961

■ 0.0000, 0.0000,
0.0000

■ 43.1072, 0.5153,
0.4253

■ 43.1072, 0.5153,
0.4253

■ 41.0339, 0.5250,
0.4214

■ 46.9634, 0.4963,
0.4284

■ 51.2800, 0.4738,
0.4260

■ 56.0872, 0.4493,
0.4188

■ 61.4092, 0.4241,
0.4077

■ 67.2677, 0.3996,
0.3942

73.6828, 0.3764,
0.3794

80.6728, 0.3552,
0.3641

88.2553, 0.3361,
0.3491

96.4469, 0.3191,
0.3347

Harmonies

Analogous

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



43.1072, 0.5339, 0.3488



43.1072, 0.5153, 0.4253



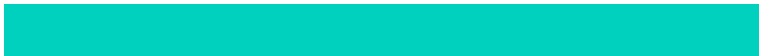
43.1072, 0.4417, 0.5031

Triad

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



43.1072, 0.5153, 0.4253



43.1072, 0.1662, 0.3599



43.1072, 0.2466, 0.1800

Complementary

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



43.1072, 0.5153, 0.4253



20.7557, 0.1746, 0.1451

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.



43.1072, 0.1723, 0.1677



43.1072, 0.5153, 0.4253



43.1072, 0.1326, 0.2459

Square

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



43.1072, 0.5153, 0.4253



43.1072, 0.2419, 0.4938



43.1072, 0.1358, 0.1861



43.1072, 0.3580, 0.2189

Rectangle

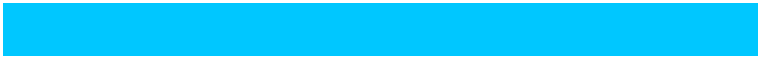
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.1072, 0.5153, 0.4253



43.1072, 0.3771, 0.5402



43.1072, 0.1358, 0.1861



43.1072, 0.2172, 0.1728

Sweetspot

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



43.1095, 0.5153, 0.4253



77.8888, 0.3632, 0.3701



23.0305, 0.5064, 0.2593



16.0314, 0.3725, 0.3767



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.



43.1095, 0.5153, 0.4253



41.0387, 0.5250, 0.4214



90.5989, 0.4101, 0.5104



19.6825, 0.3280, 0.3424



21.7463, 0.5228, 0.4231



2.3350, 0.5077, 0.4351

Inverse Universe

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



20.7557, 0.1746, 0.1451



18.7104, 0.1706, 0.1342



7.7953, 0.1536, 0.0641



18.6852, 0.2979, 0.3153



10.0616, 0.1714, 0.1372



1.1926, 0.1775, 0.1591

Previews

White Background



This preview shows how the Yxy color 43.1072, 0.5153, 0.4253 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 43.1072, 0.5153, 0.4253 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 43.1072, 0.5153, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 43.1072, 0.5153, 0.4253.



This preview shows how white text looks on a background with the Yxy color 43.1072, 0.5153, 0.4253.

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

43.1072, 0.5153, 0.4253

Protanopia

43.1266, 0.4366, 0.4829

Deuteranopia

43.1670, 0.4719, 0.4635



Tritanopia

43.1719, 0.4204, 0.3199

Trichromacy



Original Color

43.1072, 0.5153, 0.4253

Protanomaly

42.7516, 0.4661, 0.4617

Deuteranomaly

42.9931, 0.4881, 0.4494

Tritanomaly

42.7771, 0.4702, 0.3730

Monochromacy



Original Color

43.1072, 0.5153, 0.4253

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.2951, 0.3976, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1072, 0.5153, 0.4253 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, 150, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 15)  
}
```

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, 150, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 15) }
```

Border

The CSS property to change the border of an element to Yxy 43.1072, 0.5153, 0.4253 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, 150, 15) }
```

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

```
.border{ border-color:rgb(255, 150, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1072, 0.5153, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 15) }
```

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

```
.background{ background-color: rgb(255,  
150, 15) }
```

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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