

Converting Colors

$Y_{xy}(46.0537, 0.5072, 0.4355)$

Have a look what the booklet for
Yxy(46.0537, 0.5072, 0.4355)
contains.

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Color

Yxy(46.0563, 0.5072, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	FF9F00
RGB	255, 159, 0
RGB Percent	100%, 62%, 0%
CMY	0.0000, 0.3764, 1.0000
CMYK	0.00, 0.38, 1.00, 0.00
HSL	37°, 100%, 50%
HSV	37°, 100%, 100%
XYZ	53.6389, 46.0563, 6.0598
YIQ	169.5780, 108.2550, -29.0970

Conversions

Conversions Part 2

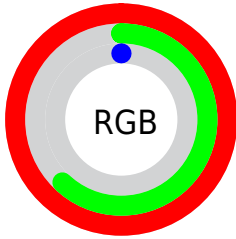
Format	Color
R_{YB}	154, 255, 0
Decimal	16752384
CIE _{Lab}	73.58, 27.06, 78.09
CIE _{LCh}	74, 82.648, 70.887
Yxy	46.0563, 0.5072, 0.4355
Android (android.graphics.Color)	4294942464 (0xFFFF9F00)
YUV	169.5780, -83.6020, 74.9151
Hunter-Lab	67.8648, 22.3193, 42.2113

Details

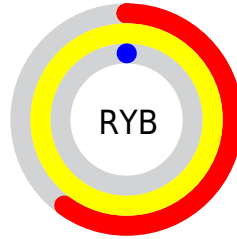
The Yxy color **46.0563, 0.5072, 0.4355** is a dark color, and the websafe version is hex **FF9900**, and the color name is **orange peel**. The color can be described as middle saturated orange. A complement of this color would be **15.5847, 0.1656, 0.1161**, and the grayscale version is **40.3622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9032, 0.4336, 0.4546**, and **21.7219, 0.5243, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **46.0582, 0.5072, 0.4355**, and if you desaturate by 10%, it is **49.5616, 0.4928, 0.4398**.

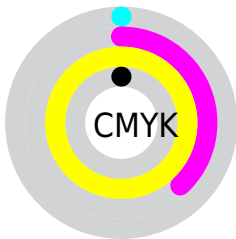
Distribution



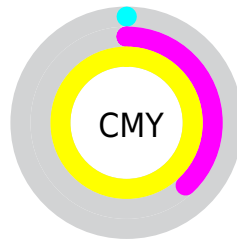
- Red (100%)
- Green (62%)
- Blue (0%)



- Red (60%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (38%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0563, 0.5072, 0.4355 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 46.0563, 0.5072, 0.4355 by changing the saturation by 10% instead.


 46.0563, 0.5072,
0.4355


 46.0563, 0.5072,
0.4355


371.0349, 0.4200,
0.3986


 32.2903, 0.5234,
0.4385


 84.3032, 0.4794,
0.4268


 21.5833, 0.5407,
0.4390


 109.5529, 0.4677,
0.4221


 13.5510, 0.5621,
0.4379


 139.3993, 0.4574,
0.4175

 7.8091, 0.5761,
0.4239

 174.2267, 0.4481,
0.4132

 3.9730, 0.5965,
0.4035

 214.4196, 0.4399,
0.4091

 1.6585, 0.6287,
0.3713

 260.3623, 0.4325,

 0.3966, 0.7264,

0.4053

0.2736

312.4393, 0.4259,
0.4018

■ 0.0000, 0.0000,
0.0000

■ 46.0563, 0.5072,
0.4355

■ 46.0563, 0.5072,
0.4355

■ 46.0582, 0.5072,
0.4355

■ 49.5616, 0.4928,
0.4398

■ 53.4213, 0.4753,
0.4393

■ 57.6715, 0.4548,
0.4335

■ 62.3353, 0.4325,
0.4233

■ 67.4324, 0.4097,
0.4098

■ 72.9808, 0.3873,
0.3942

■ 78.9970, 0.3661,
0.3777

■ 85.4961, 0.3465,
0.3609

■ 92.4926, 0.3287,
0.3446

Harmonies

Analogous

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



46.0563, 0.5344, 0.3585



46.0563, 0.5072, 0.4355



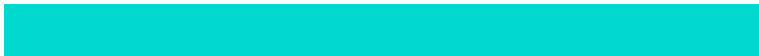
46.0563, 0.4293, 0.5112

Triad

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



46.0563, 0.5072, 0.4355



46.0563, 0.1603, 0.3423



46.0563, 0.2596, 0.1843

Complementary

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



46.0563, 0.5072, 0.4355



15.5847, 0.1656, 0.1161

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.



46.0563, 0.1803, 0.1685



46.0563, 0.5072, 0.4355



46.0563, 0.1320, 0.2358

Square

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



46.0563, 0.5072, 0.4355



46.0563, 0.2305, 0.4777



46.0563, 0.1395, 0.1825



46.0563, 0.3738, 0.2263

Rectangle

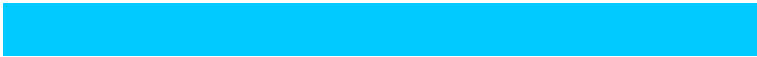
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.0563, 0.5072, 0.4355



46.0563, 0.3638, 0.5427



46.0563, 0.1395, 0.1825



46.0563, 0.2287, 0.1760

Sweetspot

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



46.0582, 0.5072, 0.4355



78.9970, 0.3661, 0.3777



22.1371, 0.5495, 0.2800



16.3533, 0.3749, 0.3847



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.



46.0582, 0.5072, 0.4355



87.5678, 0.3985, 0.5218



19.8742, 0.3279, 0.3438



24.3631, 0.5053, 0.4370



2.5825, 0.4929, 0.4468

Inverse Universe

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



15.5847, 0.1656, 0.1161



7.4923, 0.1534, 0.0618



18.4982, 0.2979, 0.3138



8.4068, 0.1664, 0.1191



1.0205, 0.1727, 0.1415

Previews

White Background



This preview shows how the Yxy color 46.0563, 0.5072, 0.4355 looks on a white background.

Color Contrast Check

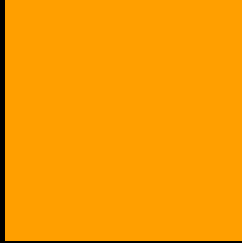
Large Text (above 18pt) WCAG AA × Fail

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 46.0563, 0.5072, 0.4355 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 46.0563, 0.5072, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 46.0563, 0.5072, 0.4355.



This preview shows how white text looks on a background with the Yxy color 46.0563, 0.5072, 0.4355.

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

46.0563, 0.5072, 0.4355

Protanopia

46.3403, 0.4374, 0.4855

Deuteranopia

46.1631, 0.4723, 0.4632



Tritanopia

45.9664, 0.4073, 0.3188

Trichromacy



Original Color

46.0563, 0.5072, 0.4355

Protanomaly

45.9866, 0.4636, 0.4672

Deuteranomaly

45.8146, 0.4852, 0.4529

Tritanomaly

45.3305, 0.4641, 0.3811

Monochromacy



Original Color

46.0563, 0.5072, 0.4355

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7727, 0.3998, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0563, 0.5072, 0.4355 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, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 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, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.0563, 0.5072, 0.4355 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, 159, 0) }
```

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

```
.border{ border-color:rgb(255, 159, 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, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 46.0563, 0.5072, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 0) }
```

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

```
.background{ background-color: rgb(255,  
159, 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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