

Converting Colors

$Y_{xy}(47.0197, 0.5114, 0.4269)$

Have a look what the booklet for
Yxy(47.0197, 0.5114, 0.4269)
contains.

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Color

Yxy(45.4281, 0.5064, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	FF9D15
RGB	255, 157, 21
RGB Percent	100%, 62%, 8%
CMY	0.0000, 0.3843, 0.9179
CMYK	0.00, 0.38, 0.92, 0.00
HSL	35°, 100%, 54%
HSV	35°, 92%, 100%
XYZ	53.4374, 45.4281, 6.6586
YIQ	170.7980, 102.0640, -21.5200

Conversions

Conversions Part 2

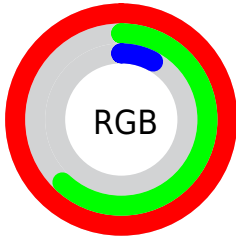
Format	Color
RYB	190, 255, 21
Decimal	16751893
CIELab	73.17, 28.31, 74.95
CIELCh	73, 80.118, 69.310
Yxy	45.4281, 0.5064, 0.4305
Android (android.graphics.Color)	4294941973 (0xFFFF9D15)
YUV	170.7980, -73.8504, 73.8452
Hunter-Lab	67.4004, 23.5704, 41.3229

Details

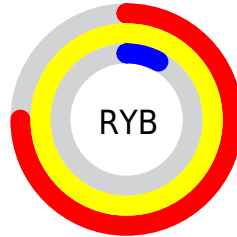
The Yxy color **45.4281, 0.5064, 0.4305** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **20.5609, 0.1747, 0.1440**, and the grayscale version is **40.9528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0028, 0.4318, 0.4485**, and **21.3096, 0.5274, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **42.5106, 0.5194, 0.4258**, and if you desaturate by 10%, it is **49.3460, 0.4874, 0.4319**.

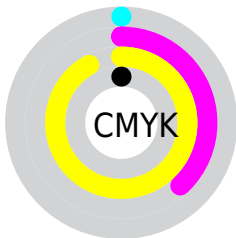
Distribution



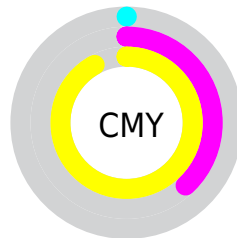
- Red (100%)
- Green (62%)
- Blue (8%)



- Red (75%)
- Yellow (100%)
- Blue (8%)



- Cyan (0%)
- Magenta (38%)
- Yellow (92%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4281, 0.5064, 0.4305 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 45.4281, 0.5064, 0.4305 by changing the saturation by 10% instead.

 45.4281, 0.5064,
0.4305

 45.4281, 0.5064,
0.4305


368.5046, 0.4182,
0.3950


 31.7948, 0.5233,
0.4335


 83.3624, 0.4779,
0.4220

 21.2048, 0.5416,
0.4341


 108.4322, 0.4660,
0.4174


 13.2738, 0.5658,
0.4342

 138.0830, 0.4556,
0.4131

 7.6173, 0.5806,
0.4194

 172.6991, 0.4463,
0.4089

 3.8511, 0.6021,
0.3979

 212.6649, 0.4381,
0.4050

 1.5906, 0.6361,
0.3639

 258.3648, 0.4307,

 0.3513, 0.7472,

0.4014

0.2528

310.1833, 0.4241,
0.3981

■ 0.0000, 0.0000,
0.0000

■ 45.4281, 0.5064,
0.4305

■ 45.4281, 0.5064,
0.4305

■ 42.5106, 0.5194,
0.4258


■ 49.3460, 0.4874,
0.4319

■ 53.7082, 0.4653,
0.4279


■ 58.5392, 0.4413,
0.4192

■ 63.8616, 0.4169,
0.4071

■ 69.6954, 0.3932,
0.3928

 76.0594, 0.3708,
0.3773

 82.9708, 0.3504,
0.3616

 90.4459, 0.3319,
0.3462

 98.5002, 0.3154,
0.3315

Harmonies

Analogous

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



45.4281, 0.5286, 0.3551



45.4281, 0.5064, 0.4305



45.4281, 0.4326, 0.5045

Triad

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



45.4281, 0.5064, 0.4305



45.4281, 0.1663, 0.3491



45.4281, 0.2560, 0.1856

Complementary

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



45.4281, 0.5064, 0.4305



20.5609, 0.1747, 0.1440

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.



45.4281, 0.1801, 0.1715



45.4281, 0.5064, 0.4305



45.4281, 0.1360, 0.2425

Square

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



45.4281, 0.5064, 0.4305



45.4281, 0.2376, 0.4791



45.4281, 0.1415, 0.1873



45.4281, 0.3662, 0.2257

Rectangle

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



45.4281, 0.5064, 0.4305



45.4281, 0.3690, 0.5362



45.4281, 0.1415, 0.1873



45.4281, 0.2263, 0.1779

Sweetspot

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



45.4268, 0.5064, 0.4305



78.6101, 0.3628, 0.3714



23.2088, 0.5067, 0.2611



16.2047, 0.3720, 0.3782



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.



45.4268, 0.5064, 0.4305



42.5106, 0.5194, 0.4258



89.9938, 0.4071, 0.5116



19.7413, 0.3280, 0.3428



22.5146, 0.5173, 0.4274



2.4083, 0.5031, 0.4387

Inverse Universe

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



20.5609, 0.1747, 0.1440



17.6884, 0.1690, 0.1284



8.1395, 0.1558, 0.0665



18.6276, 0.2979, 0.3148



9.5218, 0.1699, 0.1314



1.1372, 0.1760, 0.1536

Previews

White Background



This preview shows how the Yxy color 45.4281, 0.5064, 0.4305 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 45.4281, 0.5064, 0.4305 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 45.4281, 0.5064, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 45.4281, 0.5064, 0.4305.



This preview shows how white text looks on a background with the Yxy color 45.4281, 0.5064, 0.4305.

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

45.4281, 0.5064, 0.4305

Protanopia

45.8281, 0.4356, 0.4826

Deuteranopia

45.6198, 0.4725, 0.4630



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.4281, 0.5064, 0.4305

Protanomaly

45.1048, 0.4625, 0.4630

Deuteranomaly

45.4671, 0.4854, 0.4509

Tritanomaly

44.8206, 0.4593, 0.3727

Monochromacy



Original Color

45.4281, 0.5064, 0.4305

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.0899, 0.3937, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4281, 0.5064, 0.4305 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, 157, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 21)  
}
```

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, 157, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 21) }
```

Border

The CSS property to change the border of an element to Yxy 45.4281, 0.5064, 0.4305 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, 157, 21) }
```

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

```
.border{ border-color:rgb(255, 157, 21) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4281, 0.5064, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 21) }
```

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

```
.background{ background-color: rgb(255,  
157, 21) }
```

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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