

Converting Colors

$Y_{xy}(44.8202, 0.5076, 0.4279)$

Have a look what the booklet for
Yxy(44.8202, 0.5076, 0.4279)
contains.

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Color

Yxy(44.7729, 0.5077, 0.4277)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B19
RGB	255, 155, 25
RGB Percent	100%, 61%, 10%
CMY	0.0000, 0.3922, 0.9018
CMYK	0.00, 0.39, 0.90, 0.00
HSL	34°, 100%, 55%
HSV	34°, 90%, 100%
XYZ	53.1475, 44.7729, 6.7625
YIQ	170.0800, 101.3300, -19.2300

Conversions

Conversions Part 2

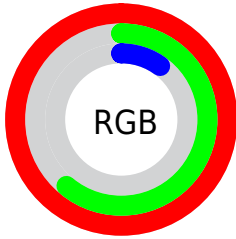
Format	Color
R_{YB}	202, 255, 25
Decimal	16751385
CIE _{Lab}	72.74, 29.42, 73.80
CIE _{LCh}	73, 79.446, 68.268
Yxy	44.7729, 0.5077, 0.4277
Android (android.graphics.Color)	4294941465 (0xFFFF9B19)
YUV	170.0800, -71.5244, 74.4748
Hunter-Lab	66.9126, 24.6826, 40.8466

Details

The Yxy color **44.7729, 0.5077, 0.4277** 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 **22.1088, 0.1774, 0.1520**, and the grayscale version is **40.5636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0413, 0.4322, 0.4455**, and **20.9070, 0.5304, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **41.2350, 0.5242, 0.4220**, and if you desaturate by 10%, it is **48.7951, 0.4873, 0.4286**.

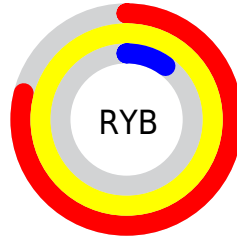
Distribution



Red (100%)

Green (61%)

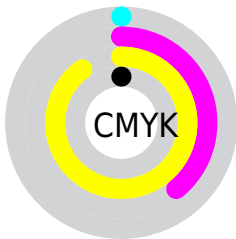
Blue (10%)



Red (79%)

Yellow (100%)

Blue (10%)

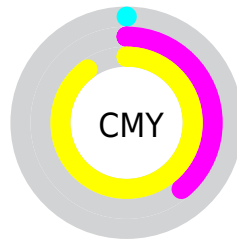


Cyan (0%)

Magenta (39%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7729, 0.5077, 0.4277 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 44.7729, 0.5077, 0.4277 by changing the saturation by 10% instead.


 44.7729, 0.5077,
0.4277


 44.7729, 0.5077,
0.4277


365.8530, 0.4183,
0.3933


 31.2786, 0.5250,
0.4304


 82.3795, 0.4786,
0.4195


 20.8111, 0.5440,
0.4308


 107.2606, 0.4666,
0.4152


 12.9860, 0.5693,
0.4307


 136.7061, 0.4560,
0.4109

 7.4189, 0.5848,
0.4152

 171.1003, 0.4466,
0.4069

 3.7254, 0.6073,
0.3927

 210.8278, 0.4383,
0.4031

 1.5212, 0.6430,
0.3570

 256.2728, 0.4309,

 0.3036, 0.7702,

0.3996

0.2298

307.8197, 0.4243,
0.3963

■ 0.0000, 0.0000,
0.0000

■ 44.7729, 0.5077,
0.4277

■ 44.7729, 0.5077,
0.4277

■ 41.2350, 0.5242,
0.4220


■ 48.7951, 0.4873,
0.4286

■ 53.2925, 0.4640,
0.4241


■ 58.2867, 0.4392,
0.4152

■ 63.8005, 0.4142,
0.4030

■ 69.8547, 0.3902,
0.3888

 76.4687, 0.3678,
0.3736

 83.6603, 0.3474,
0.3583

 91.4466, 0.3292,
0.3434

99.8435, 0.3130,
0.3292

Harmonies

Analogous

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



44.7729, 0.5274, 0.3527



44.7729, 0.5077, 0.4277



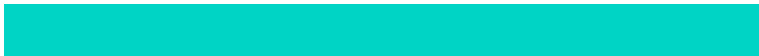
44.7729, 0.4355, 0.5018

Triad

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



44.7729, 0.5077, 0.4277



44.7729, 0.1685, 0.3536



44.7729, 0.2529, 0.1851

Complementary

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



44.7729, 0.5077, 0.4277



22.1088, 0.1774, 0.1520

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.



44.7729, 0.1785, 0.1719



44.7729, 0.5077, 0.4277



44.7729, 0.1369, 0.2457

Square

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



44.7729, 0.5077, 0.4277



44.7729, 0.2410, 0.4823



44.7729, 0.1412, 0.1889



44.7729, 0.3619, 0.2243

Rectangle

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



44.7729, 0.5077, 0.4277



44.7729, 0.3724, 0.5346



44.7729, 0.1412, 0.1889



44.7729, 0.2237, 0.1776

Sweetspot

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



44.7682, 0.5077, 0.4277



78.6919, 0.3611, 0.3687



23.5294, 0.4959, 0.2563



16.3328, 0.3683, 0.3740



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.



44.7682, 0.5077, 0.4277



41.2350, 0.5242, 0.4220



90.7345, 0.4096, 0.5086



19.6905, 0.3280, 0.3424



21.8488, 0.5220, 0.4237



2.3448, 0.5071, 0.4356

Inverse Universe

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



22.1088, 0.1774, 0.1520



18.5684, 0.1704, 0.1334



8.3019, 0.1561, 0.0677



18.6774, 0.2979, 0.3152



9.9866, 0.1712, 0.1364



1.1849, 0.1773, 0.1583

Previews

White Background



This preview shows how the Yxy color 44.7729, 0.5077, 0.4277 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 44.7729, 0.5077, 0.4277 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 44.7729, 0.5077, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 44.7729, 0.5077, 0.4277.



This preview shows how white text looks on a background with the Yxy color 44.7729, 0.5077, 0.4277.

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

44.7729, 0.5077, 0.4277

Protanopia

44.7620, 0.4347, 0.4808

Deuteranopia

44.9182, 0.4719, 0.4635



Tritanopia

44.8741, 0.4128, 0.3199

Trichromacy



Original Color

44.7729, 0.5077, 0.4277

Protanomaly

44.2103, 0.4628, 0.4606

Deuteranomaly

44.9345, 0.4855, 0.4505

Tritanomaly

44.4973, 0.4600, 0.3717

Monochromacy



Original Color

44.7729, 0.5077, 0.4277

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.6121, 0.3923, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7729, 0.5077, 0.4277 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, 155, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 25)  
}
```

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, 155, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 25) }
```

Border

The CSS property to change the border of an element to Yxy 44.7729, 0.5077, 0.4277 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, 155, 25) }
```

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

```
.border{ border-color:rgb(255, 155, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7729, 0.5077, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 25) }
```

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

```
.background{ background-color: rgb(255,  
155, 25) }
```

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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