

Converting Colors

Yxy(51.1329, 0.5120, 0.4033)

Have a look what the booklet for
Yxy(51.1329, 0.5120, 0.4033)
contains.

Yxy(45.3632, 0.4927, 0.4143) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

Yxy(45.3632, 0.4927, 0.4143)

Conversions

Conversions Part 1	
Format	Color
Hex	FF9C3C
RGB	255, 156, 60
RGB Percent	100%, 61%, 24%
CMY	0.0000, 0.3882, 0.7648
CMYK	0.00, 0.39, 0.76, 0.00
HSL	30°, 100%, 62%
HSV	30°, 76%, 100%
XYZ	53.9475, 45.3632, 10.1829
YIQ	174.6570, 89.8200, -8.8680

Conversions

Conversions Part 2

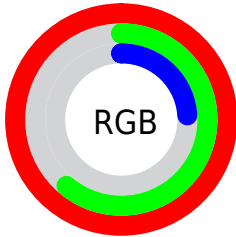
Format	Color
RYB	255, 249, 60
Decimal	16751676
CIELab	73.13, 29.80, 62.89
CIELCh	73, 69.593, 64.648
Yxy	45.3632, 0.4927, 0.4143
Android (android.graphics.Color)	4294941756 (0xFFFF9C3C)
YUV	174.6570, -56.5259, 70.4608
Hunter-Lab	67.3522, 25.1078, 38.1826

Details

The Yxy color **45.3632, 0.4927, 0.4143** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.9654, 0.1963, 0.2004**, and the grayscale version is **42.9434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0408, 0.4169, 0.4263**, and **21.1071, 0.5289, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **41.0399, 0.5180, 0.4138**, and if you desaturate by 10%, it is **50.2785, 0.4650, 0.4096**.

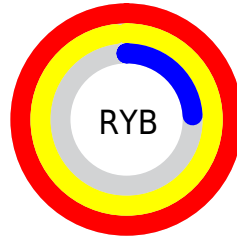
Distribution



Red (100%)

Green (61%)

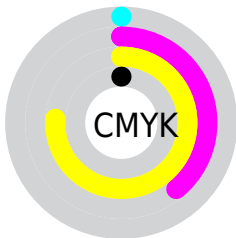
Blue (24%)



Red (100%)

Yellow (98%)

Blue (24%)

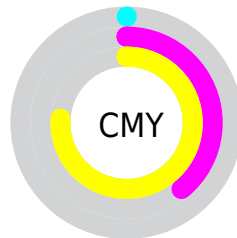


Cyan (0%)

Magenta (39%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3632, 0.4927, 0.4143 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 45.3632, 0.4927, 0.4143 by changing the saturation by 10% instead.


 45.3632, 0.4927,
0.4143


 45.3632, 0.4927,
0.4143


368.2425, 0.4072,
0.3824


 31.7436, 0.5108,
0.4180


 83.2652, 0.4638,
0.4058


 21.1657, 0.5316,
0.4202


 108.3163, 0.4522,
0.4017

 13.2452, 0.5553,
0.4193


 137.9468, 0.4422,
0.3978

 7.5976, 0.5852,
0.4148

 172.5410, 0.4334,
0.3942

 3.8386, 0.6076,
0.3924

 212.4832, 0.4256,
0.3909

 1.5837, 0.6429,
0.3571


258.1580, 0.4188,


 0.3466, 0.7563,


0.3878


0.2437


309.9496, 0.4127,
0.3850


 0.0000, 1.0000,
0.0000

 0.0000, 0.0000,
0.0000


 45.3632, 0.4927,
0.4143


 45.3632, 0.4927,
0.4143


 41.0399, 0.5180,
0.4138


 50.2785, 0.4650,
0.4096

 37.2747, 0.5391,
0.4077

 55.8171, 0.4368,
0.4009

 36.0691, 0.5459,
0.4048

 62.0061, 0.4095,
0.3895

 68.8704, 0.3842,
0.3766

 76.4334, 0.3612,
0.3631

 84.7174, 0.3409,
0.3498

 93.7432, 0.3230,
0.3369

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



45.3632, 0.4993, 0.3463



45.3632, 0.4927, 0.4143



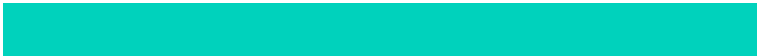
45.3632, 0.4352, 0.4787

Triad

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



45.3632, 0.4927, 0.4143



45.3632, 0.1911, 0.3655



45.3632, 0.2505, 0.1964

Complementary

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



45.3632, 0.4927, 0.4143



32.9654, 0.1963, 0.2004

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.



45.3632, 0.1866, 0.1879



45.3632, 0.4927, 0.4143



45.3632, 0.1562, 0.2666

Square

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



45.3632, 0.4927, 0.4143



45.3632, 0.2615, 0.4703



45.3632, 0.1556, 0.2086



45.3632, 0.3443, 0.2298

Rectangle

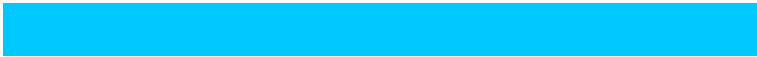
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3632, 0.4927, 0.4143



45.3632, 0.3807, 0.5069



45.3632, 0.1556, 0.2086



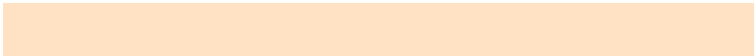
45.3632, 0.2255, 0.1906

Sweetspot

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



45.3629, 0.4927, 0.4143



79.2356, 0.3539, 0.3584



27.0524, 0.4378, 0.2404



16.3379, 0.3615, 0.3633



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.



45.3629, 0.4927, 0.4143



38.8961, 0.5302, 0.4112



91.0495, 0.4136, 0.4905



19.4641, 0.3282, 0.3407



19.1443, 0.5433, 0.4068



2.0821, 0.5254, 0.4210

Inverse Universe

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



32.9654, 0.1963, 0.2004



25.9792, 0.1822, 0.1711



11.7591, 0.1680, 0.0910



18.9021, 0.2979, 0.3170



12.3369, 0.1778, 0.1599



1.4199, 0.1834, 0.1803

Previews

White Background



This preview shows how the Yxy color 45.3632, 0.4927, 0.4143 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 45.3632, 0.4927, 0.4143 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 45.3632, 0.4927, 0.4143

Background



This preview shows how black text looks on a background with the Yxy color 45.3632, 0.4927, 0.4143.



This preview shows how white text looks on a background with the Yxy color 45.3632, 0.4927, 0.4143.

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

45.3632, 0.4927, 0.4143

Protanopia

45.4653, 0.4193, 0.4602

Deuteranopia

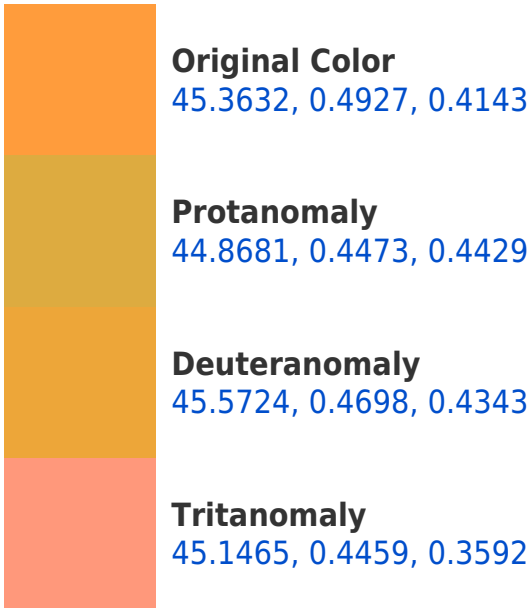
45.5704, 0.4564, 0.4462



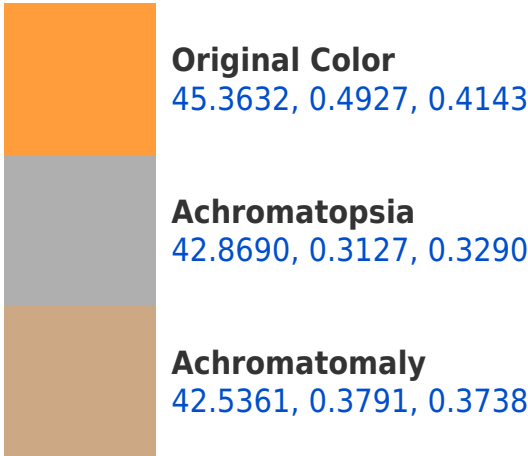
Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3632, 0.4927, 0.4143 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, 156, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 60)  
}
```


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, 156, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 60) }
```

Border

The CSS property to change the border of an element to Yxy 45.3632, 0.4927, 0.4143 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, 156, 60) }
```


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

```
.border{ border-color:rgb(255, 156, 60) }
```

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

Here you see how a box with a 4 pixel rgb(255, 156, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3632, 0.4927, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 60) }
```

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

```
.background{ background-color: rgb(255,  
156, 60) }
```

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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