

Converting Colors

$Y_{xy}(49.7027, 0.4901, 0.3844)$

Have a look what the booklet for
Yxy(49.7027, 0.4901, 0.3844)
contains.

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Color

Yxy(45.1265, 0.4733, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A5B
RGB	255, 154, 91
RGB Percent	100%, 60%, 36%
CMY	0.0000, 0.3960, 0.6432
CMYK	0.00, 0.40, 0.64, 0.00
HSL	23°, 100%, 68%
HSV	23°, 64%, 100%
XYZ	54.6809, 45.1265, 15.7238
YIQ	177.0170, 80.4190, 1.8190

Conversions

Conversions Part 2

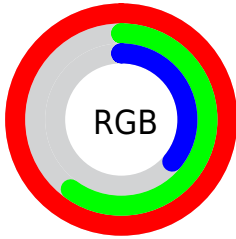
Format	Color
R_{YB}	255, 193, 91
Decimal	16751195
CIE _{Lab}	72.98, 32.34, 48.48
CIE _{LCh}	73, 58.271, 56.295
Yxy	45.1265, 0.4733, 0.3906
Android (android.graphics.Color)	4294941275 (0xFFFF9A5B)
YUV	177.0170, -42.4064, 68.3911
Hunter-Lab	67.1763, 27.7391, 33.1455

Details

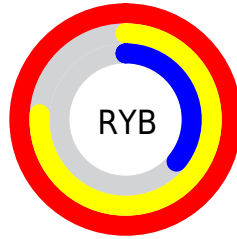
The Yxy color **45.1265, 0.4733, 0.3906** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **47.1289, 0.2170, 0.2482**, and the grayscale version is **44.1726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8441, 0.3977, 0.3968**, and **21.0003, 0.5135, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **39.9123, 0.5067, 0.3939**, and if you desaturate by 10%, it is **51.1726, 0.4404, 0.3837**.

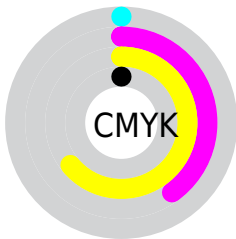
Distribution



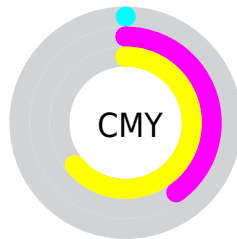
- Red (100%)
- Green (60%)
- Blue (36%)



- Red (100%)
- Yellow (76%)
- Blue (36%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1265, 0.4733, 0.3906 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 45.1265, 0.4733, 0.3906 by changing the saturation by 10% instead.


 45.1265, 0.4733,
0.3906

 45.1265, 0.4733,
0.3906


367.2856, 0.3942,
0.3667

 31.5571, 0.4915,
0.3939

 82.9102, 0.4455,
0.3838


 21.0234, 0.5137,
0.3965


 107.8933, 0.4347,
0.3807

 13.1411, 0.5408,
0.3973


 137.4497, 0.4255,
0.3778

 7.5258, 0.5749,
0.3944

 171.9638, 0.4175,
0.3752

 3.7930, 0.6171,
0.3829

211.8201, 0.4105,
0.3727

 1.5585, 0.6547,
0.3453

257.4029, 0.4044,

 0.3294, 0.7743,

0.3705

0.2257

309.0966, 0.3990,
0.3685

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.1265, 0.4733,
0.3906

45.1265, 0.4733,
0.3906

39.9123, 0.5067,
0.3939

51.1726, 0.4404,
0.3837

35.4812, 0.5381,
0.3924


58.0821, 0.4098,
0.3745


31.7883, 0.5647,
0.3855

65.8927, 0.3823,
0.3642

29.9909, 0.5774,
0.3797

74.6378, 0.3582,
0.3535

 84.3489, 0.3374,
0.3431

 95.0559, 0.3196,
0.3331

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



45.1265, 0.4616, 0.3311



45.1265, 0.4733, 0.3906



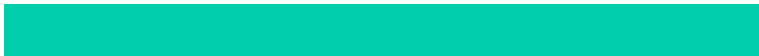
45.1265, 0.4371, 0.4465

Triad

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



45.1265, 0.4733, 0.3906



45.1265, 0.2240, 0.3860



45.1265, 0.2418, 0.2093

Complementary

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



45.1265, 0.4733, 0.3906



47.1289, 0.2170, 0.2482

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.



45.1265, 0.1931, 0.2093



45.1265, 0.4733, 0.3906



45.1265, 0.1829, 0.2986

Square

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



45.1265, 0.4733, 0.3906



45.1265, 0.2922, 0.4611



45.1265, 0.1733, 0.2375



45.1265, 0.3166, 0.2330

Rectangle

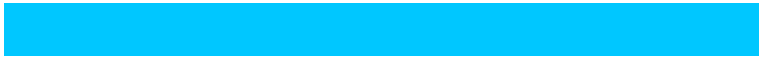
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1265, 0.4733, 0.3906



45.1265, 0.3946, 0.4732



45.1265, 0.1733, 0.2375



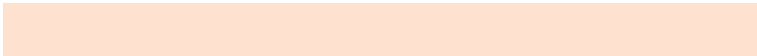
45.1265, 0.2224, 0.2064

Sweetspot

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



45.1288, 0.4733, 0.3906



79.6845, 0.3467, 0.3479



32.5503, 0.3882, 0.2318



16.4679, 0.3528, 0.3509



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.



45.1288, 0.4733, 0.3906



38.6508, 0.5154, 0.3940



81.9216, 0.4132, 0.4632



19.1314, 0.3285, 0.3382



15.9390, 0.5744, 0.3821



1.7556, 0.5533, 0.3989

Inverse Universe

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



47.1289, 0.2170, 0.2482



40.5990, 0.2035, 0.2291



20.6222, 0.1919, 0.1416



19.2403, 0.2979, 0.3196



16.6723, 0.1882, 0.1976



1.8350, 0.1928, 0.2142

Previews

White Background



This preview shows how the Yxy color 45.1265, 0.4733, 0.3906 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 45.1265, 0.4733, 0.3906 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 45.1265, 0.4733, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 45.1265, 0.4733, 0.3906.



This preview shows how white text looks on a background with the Yxy color 45.1265, 0.4733, 0.3906.

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

45.1265, 0.4733, 0.3906

Protanopia

45.4329, 0.3940, 0.4298

Deuteranopia

45.1861, 0.4325, 0.4239



Tritanopia

45.2235, 0.4113, 0.3198

Trichromacy



Original Color

45.1265, 0.4733, 0.3906

Protanomaly

44.8943, 0.4222, 0.4153

Deuteranomaly

44.9385, 0.4475, 0.4119

Tritanomaly

45.1144, 0.4355, 0.3470

Monochromacy



Original Color

45.1265, 0.4733, 0.3906

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.4304, 0.3676, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1265, 0.4733, 0.3906 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, 154, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 91)  
}
```

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, 154, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 91) }
```

Border

The CSS property to change the border of an element to Yxy 45.1265, 0.4733, 0.3906 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, 154, 91) }
```

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

```
.border{ border-color:rgb(255, 154, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1265, 0.4733, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 91) }
```

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

```
.background{ background-color: rgb(255,  
154, 91) }
```

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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