

Converting Colors

$Yxy(48.9838, 0.4866, 0.4289)$

Have a look what the booklet for
Yxy(48.9838, 0.4866, 0.4289)
contains.

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Color

Yxy(49.1364, 0.4862, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	FFA733
RGB	255, 167, 51
RGB Percent	100%, 65%, 20%
CMY	0.0000, 0.3451, 0.7999
CMYK	0.00, 0.35, 0.80, 0.00
HSL	34°, 100%, 60%
HSV	34°, 80%, 100%
XYZ	55.6620, 49.1364, 9.6853
YIQ	180.0880, 89.6840, -17.4200

Conversions

Conversions Part 2

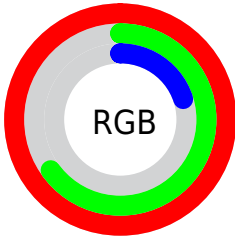
Format	Color
R _Y B	206, 255, 51
Decimal	16754483
CIE Lab	75.54, 23.77, 68.54
CIE LCh	76, 72.547, 70.874
Yxy	49.1364, 0.4862, 0.4292
Android (android.graphics.Color)	4294944563 (0xFFFFA733)
YUV	180.0880, -63.6404, 65.6978
Hunter-Lab	70.0974, 19.0705, 40.8761

Details

The Yxy color **49.1364, 0.4862, 0.4292** 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 **26.3990, 0.1870, 0.1723**, and the grayscale version is **46.0038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5641, 0.4138, 0.4407**, and **23.5989, 0.5132, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **45.1076, 0.5064, 0.4285**, and if you desaturate by 10%, it is **53.6293, 0.4630, 0.4246**.

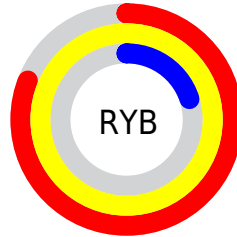
Distribution



Red (100%)

Green (65%)

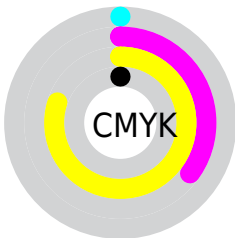
Blue (20%)



Red (81%)

Yellow (100%)

Blue (20%)

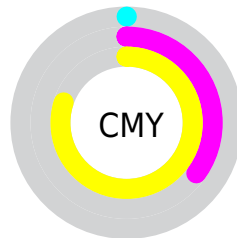


Cyan (0%)

Magenta (35%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1364, 0.4862, 0.4292 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 49.1364, 0.4862, 0.4292 by changing the saturation by 10% instead.


 49.1364, 0.4862,
0.4292

 49.1364, 0.4862,
0.4292


383.2790, 0.4064,
0.3909

 34.7277, 0.5022,
0.4342


 88.8940, 0.4599,
0.4186


 23.4532, 0.5202,
0.4380


 115.0117, 0.4491,
0.4136


 14.9285, 0.5402,
0.4393

 145.8012, 0.4397,
0.4090

 8.7692, 0.5632,
0.4368

 181.6468, 0.4314,
0.4047

 4.5910, 0.5801,
0.4199

 222.9330, 0.4241,
0.4008

 2.0093, 0.6065,
0.3935

 270.0442, 0.4175,

 0.6129, 0.6629,

0.3972

0.3371

323.3647, 0.4117,
0.3939

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.1364, 0.4862,
0.4292

49.1364, 0.4862,
0.4292

45.1076, 0.5064,
0.4285

53.6293, 0.4630,
0.4246


41.5086, 0.5232,
0.4228


58.6152, 0.4383,
0.4155

41.5048, 0.5232,
0.4228

64.1158, 0.4135,
0.4031

70.1515, 0.3896,
0.3888

 76.7415, 0.3673,
0.3736

 83.9035, 0.3470,
0.3582

 91.6542, 0.3288,
0.3432

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.



49.1364, 0.5058, 0.3601



49.1364, 0.4862, 0.4292



49.1364, 0.4202, 0.4915

Triad

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



49.1364, 0.4862, 0.4292



49.1364, 0.1791, 0.3424



49.1364, 0.2672, 0.2000

Complementary

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



49.1364, 0.4862, 0.4292



26.3990, 0.1870, 0.1723

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.



49.1364, 0.1956, 0.1858



49.1364, 0.4862, 0.4292



49.1364, 0.1515, 0.2498

Square

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



49.1364, 0.4862, 0.4292



49.1364, 0.2433, 0.4538



49.1364, 0.1577, 0.1999



49.1364, 0.3663, 0.2384

Rectangle

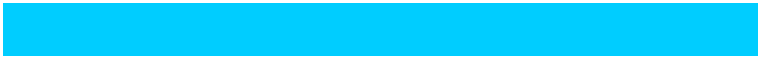
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1364, 0.4862, 0.4292



49.1364, 0.3625, 0.5134



49.1364, 0.1577, 0.1999



49.1364, 0.2396, 0.1924

Sweetspot

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



49.1354, 0.4862, 0.4292



80.9610, 0.3549, 0.3643



25.5064, 0.4728, 0.2560



16.7863, 0.3622, 0.3698



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.



49.1354, 0.4862, 0.4292



42.8980, 0.5168, 0.4255



90.5308, 0.4041, 0.5027



19.7014, 0.3280, 0.3425



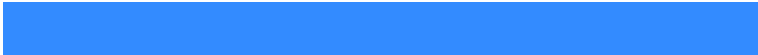
21.9897, 0.5210, 0.4245



2.3583, 0.5062, 0.4363

Inverse Universe

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



26.3990, 0.1870, 0.1723



19.7349, 0.1727, 0.1397



10.7012, 0.1676, 0.0838



18.6667, 0.2979, 0.3151



9.8851, 0.1709, 0.1353



1.1745, 0.1770, 0.1573

Previews

White Background



This preview shows how the Yxy color 49.1364, 0.4862, 0.4292 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 49.1364, 0.4862, 0.4292 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 49.1364, 0.4862, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 49.1364, 0.4862, 0.4292.



This preview shows how white text looks on a background with the Yxy color 49.1364, 0.4862, 0.4292.

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

49.1364, 0.4862, 0.4292

Protanopia

49.3815, 0.4262, 0.4700

Deuteranopia

49.1419, 0.4609, 0.4515



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

49.1364, 0.4862, 0.4292

Protanomaly

49.0776, 0.4483, 0.4551

Deuteranomaly

48.9778, 0.4711, 0.4429

Tritanomaly

48.6330, 0.4359, 0.3656

Monochromacy



Original Color

49.1364, 0.4862, 0.4292

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6188, 0.3790, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1364, 0.4862, 0.4292 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, 167, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 51)  
}
```

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, 167, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 51) }
```

Border

The CSS property to change the border of an element to Yxy 49.1364, 0.4862, 0.4292 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, 167, 51) }
```

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

```
.border{ border-color:rgb(255, 167, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 167, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1364, 0.4862, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 51) }
```

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

```
.background{ background-color: rgb(255,  
167, 51) }
```

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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