

Converting Colors

XYZ(48.9780, 36.8158, 15.3151)

Have a look what the booklet for
XYZ(48.9780, 36.8158, 15.3151)
contains.

XYZ(49.1151, 36.9312, 15.3663)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.1151, 36.9312,
15.3663)**

Conversions

Conversions Part 1

Format	Color
Hex	F9825F
RGB	249, 130, 95
RGB Percent	98%, 51%, 37%
CMY	0.0235, 0.4902, 0.6274
CMYK	0.00, 0.48, 0.62, 0.02
HSL	14°, 93%, 67%
HSV	14°, 62%, 98%
XYZ	49.1151, 36.9312, 15.3663
YIQ	161.5910, 82.1590, 14.3430

Conversions

Conversions Part 2

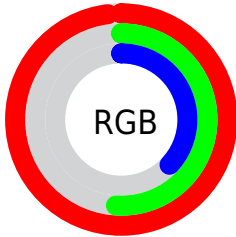
Format	Color
R_{YB}	249, 140, 95
Decimal	16351839
CIE Lab	67.23, 42.50, 39.36
CIE LCh	67, 57.931, 42.805
Yxy	36.9312, 0.4843, 0.3642
Android (android.graphics.Color)	4294541919 (0xFF9825F)
YUV	161.5910, -32.8294, 76.6577
Hunter-Lab	60.7710, 37.9142, 27.5479

Details

The XYZ color **49.1151, 36.9312, 15.3663** 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 **45.8631, 57.3622, 98.2768**, and the grayscale version is **34.2741, 36.0590, 39.2683**.

A 20% lighter version of the original color is **63.7773, 58.0332, 35.0342**, and **23.7310, 16.2188, 4.5691** is the 20% darker color. If you saturate the color by 10%, you get **45.8345, 31.9014, 9.5530**, and if you desaturate by 10%, it is **53.2375, 43.0666, 23.2447**.

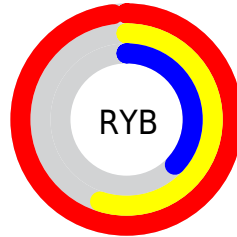
Distribution



Red (98%)

Green (51%)

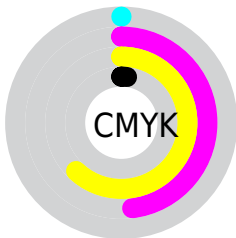
Blue (37%)



Red (98%)

Yellow (55%)

Blue (37%)

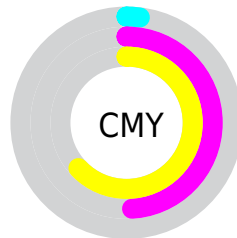


Cyan (0%)

Magenta (48%)

Yellow (62%)

Black (2%)



Cyan (2%)


Magenta (49%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1151, 36.9312, 15.3663 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 XYZ color 49.1151, 36.9312, 15.3663 by changing the saturation by 10% instead.


 49.1151, 36.9312,
15.3663


 49.1151, 36.9312,
15.3663


373.7047,
333.0126, 237.2894

 34.9257, 25.1542,
8.9274


 88.0621, 70.4670,
36.2459


 23.7719, 16.1920,
4.5977


 113.5504, 92.9945,
51.5236

 15.2883, 9.6601,
1.9586


 143.5357,
119.8744, 70.5847

 9.1096, 5.1742,
0.5297

 178.3833,
151.4910, 93.8477

 4.8704, 2.3498,
0.0000

218.4587,
188.2288, 121.7311

 2.2054, 0.7999,
0.0000

264.1272,

 0.7456, 0.0000,

230.4720, 154.6535

0.0000

315.7540,
278.6051, 193.0334

■ 0.0000, 0.0000,
0.0000

■ 49.1151, 36.9312,
15.3663

■ 49.1151, 36.9312,
15.3663

■ 45.8345, 31.9014,
9.5530

■ 53.2375, 43.0666,
23.2447

■ 43.3306, 27.9034,
5.6051

■ 58.2550, 50.3633,
33.3586

■ 41.5317, 24.8633,
3.2861

■ 64.2191, 58.8805,
45.8626

■ 40.5102, 23.0266,
2.3095

■ 71.1768, 68.6713,
60.8972

■ 79.1716, 79.7857,
78.5917

88.2445, 92.2709,
99.0668

92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



54.4331, 36.9312, 30.3545



49.1151, 36.9312, 15.3663



40.3731, 36.9312, 9.3228

Triad

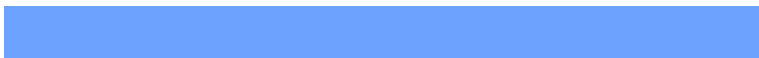
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.1151, 36.9312, 15.3663



21.2337, 36.9312, 27.4641



39.0076, 36.9312, 108.8535

Complementary

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



49.1151, 36.9312, 15.3663



45.8631, 57.3622, 98.2768

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.



30.3109, 36.9312, 106.9889



49.1151, 36.9312, 15.3663



20.9935, 36.9312, 52.0008

Square

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



49.1151, 36.9312, 15.3663



24.7682, 36.9312, 14.0187



24.0453, 36.9312, 83.2147



47.9719, 36.9312, 87.5722

Rectangle

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



49.1151, 36.9312, 15.3663



34.2763, 36.9312, 8.5459



24.0453, 36.9312, 83.2147



35.9408, 36.9312, 111.1082

Sweetspot

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



49.1160, 36.9332, 15.3670



77.4059, 75.6597, 69.2675



55.5063, 33.2632, 68.2123



16.0753, 15.5065, 13.7444



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.1160, 36.9332, 15.3670



47.7216, 32.6357, 8.9849



63.0515, 64.8041, 20.0121



17.5646, 17.8652, 17.9850



21.7720, 12.5006, 1.2653



2.0927, 1.3102, 0.1426

Inverse Universe

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



45.8631, 57.3622, 98.2768



43.8869, 55.5285, 103.0127



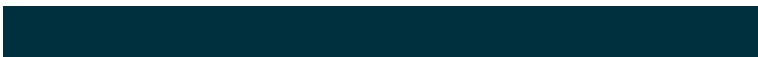
30.9980, 27.6320, 93.3218



17.4116, 18.9001, 22.1157



19.4017, 24.1590, 51.6141



1.8758, 2.3952, 4.8066

Previews

White Background



This preview shows how the XYZ color 49.1151, 36.9312, 15.3663 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 XYZ color 49.1151, 36.9312, 15.3663 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](#).

XYZ 49.1151, 36.9312, 15.3663

Background



This preview shows how black text looks on a background with the XYZ color 49.1151, 36.9312, 15.3663.



This preview shows how white text looks on a background with the XYZ color 49.1151, 36.9312,

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

49.1151, 36.9312, 15.3663

Protanopia

34.3423, 37.0986, 19.5381

Deuteranopia

37.8213, 36.9326, 14.8082



Tritanopia

51.4204, 36.8977, 26.9661

Trichromacy



Original Color

49.1151, 36.9312, 15.3663

Protanomaly

38.5783, 36.2731, 17.8001

Deuteranomaly

41.2789, 36.5456, 15.0036

Tritanomaly

50.4039, 36.8588, 22.2272

Monochromacy



Original Color

49.1151, 36.9312, 15.3663

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.7419, 35.1170, 28.8338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1151, 36.9312, 15.3663 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(249, 130, 95)` looks like.

```
.text, #text, p{  
    color:rgb(249, 130, 95)  
}
```

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(249, 130, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 130, 95) }
```

Border

The CSS property to change the border of an element to XYZ 49.1151, 36.9312, 15.3663 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(249, 130, 95) }
```


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

```
.border{ border-color:rgb(249, 130, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 130, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 130, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 130, 95);  
box-shadow:4px 4px 4px 4px rgb(249, 130,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1151, 36.9312, 15.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 130, 95) }
```

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

```
.background{ background-color: rgb(249,  
130, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor