

Converting Colors

XYZ(62.6447, 46.9536, 15.6231)

Have a look what the booklet for
XYZ(62.6447, 46.9536, 15.6231)
contains.

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Color

**XYZ(53.1016, 41.9618,
15.1982)**

Conversions

Conversions Part 1

Format	Color
Hex	FF905B
RGB	255, 144, 91
RGB Percent	100%, 56%, 36%
CMY	0.0000, 0.4353, 0.6431
CMYK	0.00, 0.44, 0.64, 0.00
HSL	19°, 100%, 68%
HSV	19°, 64%, 100%
XYZ	53.1016, 41.9618, 15.1982
YIQ	171.1470, 83.1690, 7.0490

Conversions

Conversions Part 2

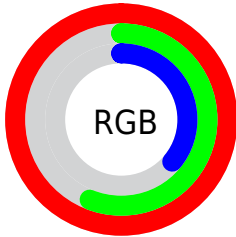
Format	Color
R_{YB}	255, 169, 91
Decimal	16748635
CIE _{Lab}	70.84, 37.48, 45.99
CIE _{LCh}	71, 59.322, 50.821
Yxy	41.9618, 0.4816, 0.3806
Android (android.graphics.Color)	4294938715 (0xFFFF905B)
YUV	171.1470, -39.5125, 73.5391
Hunter-Lab	64.7779, 32.9637, 31.4339

Details

The XYZ color **53.1016, 41.9618, 15.1982** 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 **43.4836, 51.6824, 102.2912**, and the grayscale version is **38.9468, 40.9750, 44.6218**.

A 20% lighter version of the original color is **66.6213, 64.0900, 34.8459**, and **26.2374, 19.1589, 4.5057** is the 20% darker color. If you saturate the color by 10%, you get **49.7656, 36.7614, 9.5503**, and if you desaturate by 10%, it is **57.2128, 48.1152, 22.9481**.

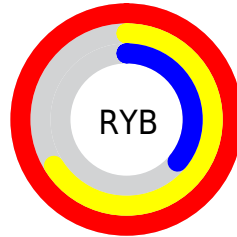
Distribution



Red (100%)

Green (56%)

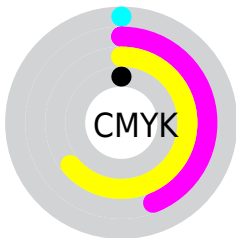
Blue (36%)



Red (100%)

Yellow (66%)

Blue (36%)

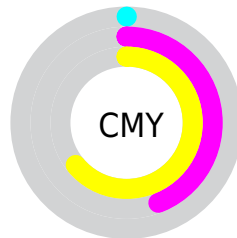


Cyan (0%)

Magenta (44%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1016, 41.9618, 15.1982 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 53.1016, 41.9618, 15.1982 by changing the saturation by 10% instead.


 53.1016, 41.9618,
15.1982


 53.1016, 41.9618,
15.1982


388.9293,
354.3246, 236.2447


 38.1117, 29.0714,
8.8104

 93.9185, 78.1418,
35.9477

 26.2470, 19.1348,
4.5226


 120.4762,
102.2002, 51.1466

 17.1422, 11.7677,
1.9162


 151.6205,
130.7500, 70.1195

 10.4318, 6.5857,
0.5030

 187.7169,
164.1757, 93.2851

 5.7507, 3.2044,
0.0000

229.1306,
202.8616, 121.0619

 2.7333, 1.2394,
0.0000

276.2270,

 1.0143, 0.0935,

247.1921, 153.8684

0.0000

329.3714,
297.5516, 192.1231

■ 0.0000, 0.0000,
0.0000

■ 53.1016, 41.9618,
15.1982

■ 53.1016, 41.9618,
15.1982

■ 49.7656, 36.7614,
9.5503

■ 57.2128, 48.1152,
22.9481

■ 47.1440, 32.4555,
5.7874

■ 62.1472, 55.2625,
32.9830

■ 45.1699, 28.9877,
3.6480

■ 67.9521, 63.4500,
45.4684

■ 44.2887, 27.3578,
2.9463

■ 74.6699, 72.7188,
60.5535

■ 82.3402, 83.1078,
78.3758

91.0002, 94.6538,
99.0628

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



60.3617, 41.9618, 28.9771



53.1016, 41.9618, 15.1982



42.9852, 41.9618, 10.3138

Triad

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



53.1016, 41.9618, 15.1982



23.9403, 41.9618, 37.5628



47.0102, 41.9618, 117.5645

Complementary

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



53.1016, 41.9618, 15.1982



43.4836, 51.6824, 102.2912

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.



36.9346, 41.9618, 122.9999



53.1016, 41.9618, 15.1982



24.6557, 41.9618, 67.8381

Square

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



53.1016, 41.9618, 15.1982



26.9165, 41.9618, 19.2529



29.0638, 41.9618, 102.0372



56.4618, 41.9618, 89.2988

Rectangle

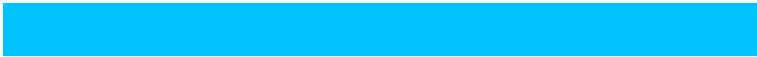
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



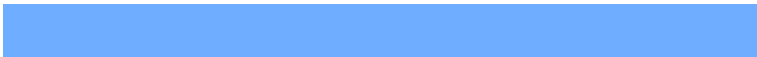
53.1016, 41.9618, 15.1982



36.4283, 41.9618, 10.4143



29.0638, 41.9618, 102.0372



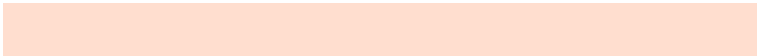
43.5504, 41.9618, 122.4775

Sweetspot

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



53.1026, 41.9640, 15.1990



78.6245, 78.0969, 69.6737



55.7685, 33.0573, 59.9831



16.3660, 16.0878, 13.8413



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.



53.1026, 41.9640, 15.1990



48.9937, 35.5188, 8.3638



70.0354, 75.8296, 20.8432



18.4887, 18.9455, 18.8267



23.2613, 14.5338, 1.5793



2.3591, 1.6035, 0.1852

Inverse Universe

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



43.4836, 51.6824, 102.2912



38.5813, 45.6358, 101.3829



29.2101, 23.1355, 97.5334



18.0309, 19.4334, 23.0506



17.3394, 19.5883, 52.3016



1.7875, 2.1057, 5.1255

Previews

White Background



This preview shows how the XYZ color 53.1016, 41.9618, 15.1982 looks on a white background.

Color Contrast Check

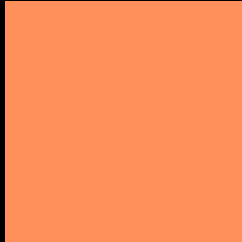
Large Text (above 18pt) WCAG AA × Fail

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 53.1016, 41.9618, 15.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

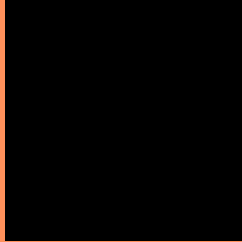
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1016, 41.9618, 15.1982

Background



This preview shows how black text looks on a background with the XYZ color 53.1016, 41.9618, 15.1982.



This preview shows how white text looks on a background with the XYZ color 53.1016, 41.9618,

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

53.1016, 41.9618, 15.1982

Protanopia

38.7202, 42.1588, 18.4086

Deuteranopia

43.0475, 42.2405, 14.6885



Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

53.1016, 41.9618, 15.1982



Protanomaly

42.9864, 41.3536, 17.0257



Deuteranomaly

46.3014, 41.8163, 14.8635



Tritanomaly

54.5956, 41.8421, 25.2775

Monochromacy



Original Color

53.1016, 41.9618, 15.1982



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

41.9845, 39.9993, 31.0990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1016, 41.9618, 15.1982 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, 144, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 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, 144, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 91) }
```

Border

The CSS property to change the border of an element to XYZ 53.1016, 41.9618, 15.1982 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, 144, 91) }
```


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

```
.border{ border-color:rgb(255, 144, 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, 144, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1016, 41.9618, 15.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 91) }
```

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

```
.background{ background-color: rgb(255,  
144, 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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