

# Converting Colors

XYZ(62.3630, 46.2500, 20.0548)

Have a look what the booklet for  
XYZ(62.3630, 46.2500, 20.0548)  
contains.

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# Color

**XYZ(53.6733, 41.7101,  
19.6900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8E6D
RGB	255, 142, 109
RGB Percent	100%, 56%, 43%
CMY	0.0000, 0.4431, 0.5725
CMYK	0.00, 0.44, 0.57, 0.00
HSL	14°, 100%, 71%
HSV	14°, 57%, 100%
XYZ	53.6733, 41.7101, 19.6900
YIQ	172.0250, 77.9410, 13.6930

# Conversions

## Conversions Part 2

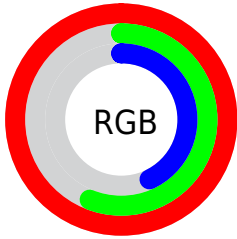
Format	Color
R <sub>Y</sub> B	255, 152, 109
Decimal	16748141
CIE Lab	70.67, 39.70, 36.33
CIE LCh	71, 53.815, 42.465
Yxy	41.7101, 0.4664, 0.3625
Android (android.graphics.Color)	4294938221 (0xFFFF8E6D)
YUV	172.0250, -31.0713, 72.7691
Hunter-Lab	64.5834, 35.3251, 27.1322

# Details

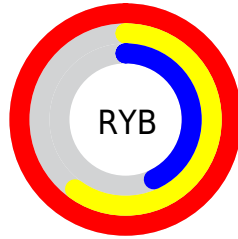
The XYZ color **53.6733, 41.7101, 19.6900** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.4763, 62.7104, 104.0512**, and the grayscale version is **39.3511, 41.4005, 45.0851**.

A 20% lighter version of the original color is **67.6393, 63.7657, 42.4613**, and **26.7466, 19.1186, 6.6954** is the 20% darker color. If you saturate the color by 10%, you get **49.8136, 35.8782, 12.5852**, and if you desaturate by 10%, it is **58.4530, 48.7452, 29.0660**.

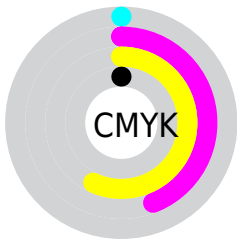
# Distribution



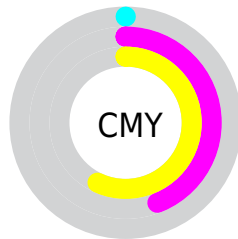
- Red (100%)
- Green (56%)
- Blue (43%)



- Red (100%)
- Yellow (60%)
- Blue (43%)



- Cyan (0%)
- Magenta (44%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6733, 41.7101, 19.6900 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 53.6733, 41.7101, 19.6900 by changing the saturation by 10% instead.




 53.6733, 41.7101,  
19.6900


 53.6733, 41.7101,  
19.6900


391.0817,  
353.2798, 262.7804


 38.5702, 28.8744,  
11.9881


 94.7541, 77.7607,  
43.7489


 26.6047, 18.9858,  
6.6131


 121.4625,  
101.7443, 60.9430

 17.4116, 11.6600,  
3.1466


 152.7700,  
130.2127, 82.1383

 10.6255, 6.5126,  
1.1700

 189.0419,  
163.5502, 107.7532

 5.8811, 3.1592,  
0.0000

230.6437,  
202.1413, 138.2063

 2.8129, 1.2154,  
0.0000

277.9407,

 1.0556, 0.0742,

246.3703, 173.9162

0.0000

331.2983,  
296.6217, 215.3014

■ 0.0000, 0.0000,  
0.0000

■ 53.6733, 41.7101,  
19.6900

■ 53.6733, 41.7101,  
19.6900

■ 49.8136, 35.8782,  
12.5852

■ 58.4530, 48.7452,  
29.0660

■ 46.8079, 31.1741,  
7.5534

■ 64.2063, 57.0404,  
40.8842

■ 44.5855, 27.5232,  
4.3651

■ 70.9861, 66.6565,  
55.3015

■ 43.0594, 24.8377,  
2.7257

■ 78.8406, 77.6486,  
72.4612

■ 42.7352, 24.2506,  
2.4284

■ 87.8147, 90.0684,  
92.4958

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.



58.8363, 41.7101, 35.6262



53.6733, 41.7101, 19.6900



45.0332, 41.7101, 12.8560

# Triad

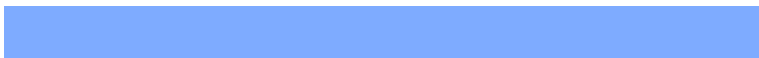
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.6733, 41.7101, 19.6900



25.4489, 41.7101, 32.1783



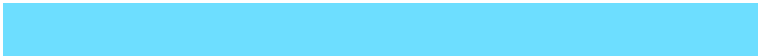
43.4584, 41.7101, 112.1470

# Complementary

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



53.6733, 41.7101, 19.6900



50.4763, 62.7104, 104.0512

# 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.



34.7032, 41.7101, 110.1074



53.6733, 41.7101, 19.6900



25.1582, 41.7101, 56.8507

# Square

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



53.6733, 41.7101, 19.6900



29.1657, 41.7101, 17.9839



28.3012, 41.7101, 87.2495



52.3726, 41.7101, 92.0784



# Rectangle

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



53.6733, 41.7101, 19.6900



38.9118, 41.7101, 11.9165



28.3012, 41.7101, 87.2495



40.3857, 41.7101, 114.1894

# Sweetspot

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



53.6743, 41.7123, 19.6908



79.0550, 77.9468, 72.9347



60.0774, 37.5450, 74.1519



16.5631, 16.1854, 14.8215



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.



53.6743, 41.7123, 19.6908



49.2294, 34.9778, 11.5634



67.9541, 70.2718, 24.4507



18.3424, 18.6530, 18.7780



22.4213, 12.8538, 1.2993



2.2608, 1.4069, 0.1524



# Inverse Universe

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



50.4763, 62.7104, 104.0512



45.6358, 57.5988, 103.3202



35.3219, 32.4015, 98.9997



18.1861, 19.7439, 23.1024



20.0236, 24.9568, 53.1964



2.0308, 2.5923, 5.2066



# Previews

## White Background



This preview shows how the XYZ color 53.6733, 41.7101, 19.6900 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 53.6733, 41.7101, 19.6900 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 53.6733, 41.7101, 19.6900

## Background



This preview shows how black text looks on a background with the XYZ color 53.6733, 41.7101, 19.6900.



This preview shows how white text looks on a background with the XYZ color 53.6733, 41.7101,



# 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

53.6733, 41.7101, 19.6900

### Protanopia

38.8883, 41.8324, 24.1140

### Deuteranopia

42.5322, 41.6114, 18.8868



## Tritanopia

55.6738, 41.5751, 33.1074

# Trichromacy



## Original Color

53.6733, 41.7101, 19.6900

## Protanomaly

43.2826, 41.1221, 22.4857

## Deuteranomaly

46.0225, 41.3233, 19.1862

## Tritanomaly

54.7757, 41.4465, 27.6672

# Monochromacy



## Original Color

53.6733, 41.7101, 19.6900

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

42.5268, 40.2162, 33.9549

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6733, 41.7101, 19.6900 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, 142, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 109)  
}
```

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, 142, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6733, 41.7101, 19.6900 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, 142, 109) }
```



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

```
.border{ border-color:rgb(255, 142, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6733, 41.7101, 19.6900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 109) }
```

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

```
.background{ background-color: rgb(255,  
142, 109) }
```

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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