

# Converting Colors

XYZ(52.0295, 41.8287, 19.5784)

Have a look what the booklet for  
XYZ(52.0295, 41.8287, 19.5784)  
contains.

<b>XYZ(52.0526, 41.7802, 19.5083)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.0526, 41.7802,  
19.5083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9926C
RGB	249, 146, 108
RGB Percent	98%, 57%, 42%
CMY	0.0235, 0.4274, 0.5765
CMYK	0.00, 0.41, 0.57, 0.02
HSL	16°, 92%, 70%
HSV	16°, 57%, 98%
XYZ	52.0526, 41.7802, 19.5083
YIQ	172.4650, 73.5860, 10.0180

# Conversions

## Conversions Part 2

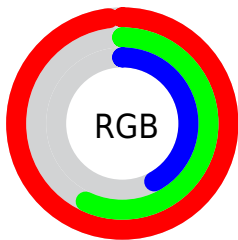
Format	Color
R <sub>Y</sub> B	249, 160, 108
Decimal	16355948
CIE Lab	70.72, 35.29, 36.77
CIE LCh	71, 50.960, 46.175
Yxy	41.7802, 0.4593, 0.3686
Android (android.graphics.Color)	4294546028 (0xFFFF9926C)
YUV	172.4650, -31.7812, 67.1212
Hunter-Lab	64.6376, 30.6301, 27.3520

# Details

The XYZ color **52.0526, 41.7802, 19.5083** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.5761, 56.6134, 98.0948**, and the grayscale version is **39.5796, 41.6408, 45.3468**.

A 20% lighter version of the original color is **68.4718, 65.5714, 42.3054**, and **25.5312, 19.0125, 6.4618** is the 20% darker color. If you saturate the color by 10%, you get **48.3276, 36.1569, 12.6360**, and if you desaturate by 10%, it is **56.6041, 48.4513, 28.5233**.

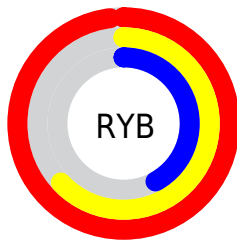
# Distribution



Red (98%)

Green (57%)

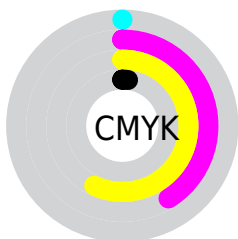
Blue (42%)



Red (98%)

Yellow (63%)

Blue (42%)

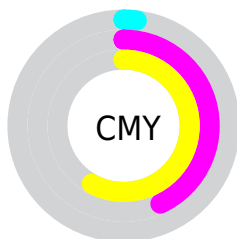


Cyan (0%)

Magenta (41%)

Yellow (57%)

Black (2%)



Cyan (2%)

Magenta (43%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0526, 41.7802, 19.5083 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 52.0526, 41.7802, 19.5083 by changing the saturation by 10% instead.



52.0526, 41.7802,  
19.5083

52.0526, 41.7802,  
19.5083

384.9603,  
353.5710, 261.7563

37.2714, 28.9292,  
11.8576

92.3826, 77.8669,  
43.4393

25.5924, 19.0273,  
6.5254

118.6621,  
101.8713, 60.5568

16.6500, 11.6900,  
3.0932

149.5051,  
130.3624, 81.6669

10.0790, 6.5330,  
1.1424

185.2770,  
163.7245, 107.1882

5.5141, 3.1718,  
0.0000

226.3431,  
202.3420, 137.5392

2.5897, 1.2221,  
0.0000

273.0688,

0.9407, 0.0796,

246.5994, 173.1386

0.0000

325.8194,  
296.8809, 214.4047

■ 0.0000, 0.0000,  
0.0000

■ 52.0526, 41.7802,  
19.5083

■ 52.0526, 41.7802,  
19.5083

■ 48.3276, 36.1569,  
12.6360

■ 56.6041, 48.4513,  
28.5233

■ 45.3718, 31.5195,  
7.7225

■ 62.0279, 56.2147,  
39.8395

■ 43.1245, 27.8092,  
4.5559

■ 68.3699, 65.1201,  
53.6029

■ 41.5121, 24.9566,  
2.8704

■ 75.6719, 75.2121,  
69.9468

■ 41.0809, 24.1679,  
2.4997

■ 83.9728, 86.5329,  
88.9945

92.8768, 98.8797,  
108.7983

# Harmonies

## Analogous

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



57.4412, 41.7802, 33.7248



52.0526, 41.7802, 19.5083



43.7196, 41.7802, 13.6234

# Triad

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



52.0526, 41.7802, 19.5083



25.9353, 41.7802, 35.2574



44.4095, 41.7802, 106.3844

# Complementary

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



52.0526, 41.7802, 19.5083



46.5761, 56.6134, 98.0948

# 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.



35.9549, 41.7802, 107.2570



52.0526, 41.7802, 19.5083



26.0654, 41.7802, 59.7190

# Square

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



52.0526, 41.7802, 19.5083



29.1078, 41.7802, 20.2858



29.4925, 41.7802, 87.9790



52.6190, 41.7802, 85.9009



# Rectangle

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



52.0526, 41.7802, 19.5083



37.9892, 41.7802, 13.1468



29.4925, 41.7802, 87.9790



41.4837, 41.7802, 109.1772

# Sweetspot

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



52.0536, 41.7824, 19.5091



79.5568, 78.9503, 73.1020



56.2376, 35.5884, 65.7965



16.6805, 16.4201, 14.8606



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.



52.0536, 41.7824, 19.5091



50.5113, 37.3901, 12.4579



66.3551, 70.3854, 24.2762



17.6252, 17.9862, 18.0051



22.0898, 13.1362, 1.3713



2.1295, 1.3839, 0.1549



# Inverse Universe

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



46.5761, 56.6134, 98.0948



44.1145, 54.2349, 102.7511



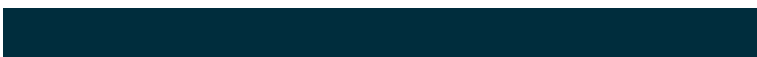
32.7937, 29.0484, 93.5007



17.3469, 18.7707, 22.0941



18.2178, 21.7912, 51.2195



1.7748, 2.1933, 4.7730



# Previews

## White Background



This preview shows how the XYZ color 52.0526, 41.7802, 19.5083 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 52.0526, 41.7802, 19.5083 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 52.0526, 41.7802, 19.5083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0526, 41.7802, 19.5083.



This preview shows how white text looks on a background with the XYZ color 52.0526, 41.7802,



# 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

52.0526, 41.7802, 19.5083

### Protanopia

39.0124, 41.9104, 23.4861

### Deuteranopia

42.7133, 41.9736, 18.9472



## Tritanopia

55.1089, 41.6860, 34.4198

# Trichromacy



## Original Color

52.0526, 41.7802, 19.5083

## Protanomaly

42.7700, 41.1338, 21.9051

## Deuteranomaly

45.6884, 41.6635, 18.9984

## Tritanomaly

53.8298, 41.6045, 28.1150

# Monochromacy



## Original Color

52.0526, 41.7802, 19.5083

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

42.3414, 40.6437, 34.0471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0526, 41.7802, 19.5083 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, 146, 108)` looks like.

```
.text, #text, p{  
    color:rgb(249, 146, 108)  
}
```

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, 146, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 146, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0526, 41.7802, 19.5083 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, 146, 108) }
```



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

```
.border{ border-color:rgb(249, 146, 108) }
```

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

Here you see how a box with a 4 pixel rgb(249, 146, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 146, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 146, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 146,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0526, 41.7802, 19.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 146, 108) }
```

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

```
.background{ background-color: rgb(249,  
146, 108) }
```

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