

# Converting Colors

XYZ(55.3560, 41.9159, 29.9914)

Have a look what the booklet for  
XYZ(55.3560, 41.9159, 29.9914)  
contains.

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# Color

**XYZ(55.3517, 41.9096,  
29.9830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C8C
RGB	255, 140, 140
RGB Percent	100%, 55%, 55%
CMY	0.0000, 0.4510, 0.4510
CMYK	0.00, 0.45, 0.45, 0.00
HSL	0°, 100%, 77%
HSV	0°, 45%, 100%
XYZ	55.3517, 41.9096, 29.9830
YIQ	174.3850, 68.5400, 24.3800

# Conversions

## Conversions Part 2

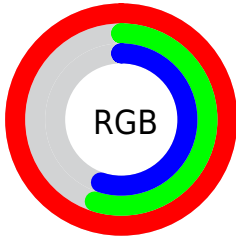
Format	Color
R <sub>Y</sub> B	255, 140, 140
Decimal	16747660
CIE Lab	70.81, 43.37, 19.55
CIE LCh	71, 47.572, 24.268
Yxy	41.9096, 0.4350, 0.3294
Android (android.graphics.Color)	4294937740 (0xFFFF8C8C)
YUV	174.3850, -16.9518, 70.6994
Hunter-Lab	64.7376, 39.3295, 17.8564

# Details

The XYZ color **55.3517, 41.9096, 29.9830** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.6233, 84.3115, 107.4752**, and the grayscale version is **40.4911, 42.5998, 46.3912**.

A 20% lighter version of the original color is **70.4927, 64.1853, 59.7126**, and **27.7593, 19.1567, 11.9074** is the 20% darker color. If you saturate the color by 10%, you get **50.3806, 34.6360, 20.0997**, and if you desaturate by 10%, it is **61.6237, 51.0880, 42.4500**.

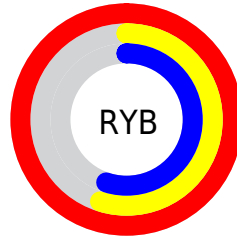
# Distribution



Red (100%)

Green (55%)

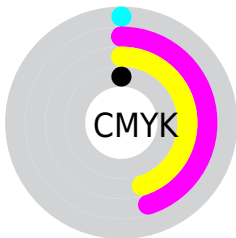
Blue (55%)



Red (100%)

Yellow (55%)

Blue (55%)

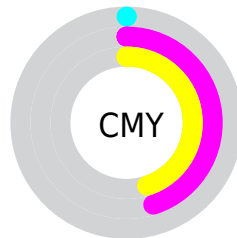


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3517, 41.9096, 29.9830 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 55.3517, 41.9096, 29.9830 by changing the saturation by 10% instead.




 55.3517, 41.9096,  
29.9830

 55.3517, 41.9096,  
29.9830


397.3585,  
354.1081, 316.0300


 39.9183, 29.0305,  
19.5737


 97.2014, 78.0628,  
60.6960

 27.6588, 19.1039,  
11.9046

 124.3484,  
102.1057, 81.8368

 18.2078, 11.7454,  
6.5570


 156.1307,  
130.6386, 107.3919

 11.1998, 6.5705,  
3.1124

192.9136,  
164.0460, 137.7797

 6.2697, 3.1950,  
1.1523

235.0625,  
202.7123, 173.4189

 3.0520, 1.2344,  
0.0000

282.9427,

 1.1813, 0.0895,

247.0218, 214.7280

0.0000

336.9196,  
297.3589, 262.1256

■ 0.0915, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.3517, 41.9096,  
29.9830

■ 55.3517, 41.9096,  
29.9830

■ 50.3806, 34.6360,  
20.0997

■ 61.6237, 51.0880,  
42.4500

■ 46.6163, 29.1277,  
12.6167

■ 69.2758, 62.2852,  
57.6619

■ 43.9571, 25.2364,  
7.3307

■ 78.3845, 75.6137,  
75.7696

■ 42.2833, 22.7869,  
4.0036

■ 89.0197, 91.1762,  
96.9122

■ 41.4472, 21.5633,  
2.3418

95.0499, 99.9999,  
108.9000

■ 41.2400, 21.2602,  
1.9300

# Harmonies

## Analogous

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



56.9440, 41.9096, 50.1173



55.3517, 41.9096, 29.9830



49.3815, 41.9096, 18.6406

# Triad

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



55.3517, 41.9096, 29.9830



28.7296, 41.9096, 24.6467



38.3357, 41.9096, 104.0626

# Complementary

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



55.3517, 41.9096, 29.9830



64.6233, 84.3115, 107.4752

# 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.



31.6036, 41.9096, 90.8512



55.3517, 41.9096, 29.9830



26.5483, 41.9096, 41.4235

# Square

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



55.3517, 41.9096, 29.9830



33.9099, 41.9096, 16.3491



27.5266, 41.9096, 65.9545



46.4104, 41.9096, 97.9033



# Rectangle

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



55.3517, 41.9096, 29.9830



44.0968, 41.9096, 15.2569



27.5266, 41.9096, 65.9545



35.8549, 41.9096, 101.6348

# Sweetspot

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



55.3528, 41.9117, 29.9838



79.4761, 77.2110, 77.9395



68.6681, 47.2365, 100.1059



16.5556, 15.8598, 15.7767



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.



55.3528, 41.9117, 29.9838



50.8657, 35.3457, 21.0637



66.0537, 63.3136, 33.5508



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

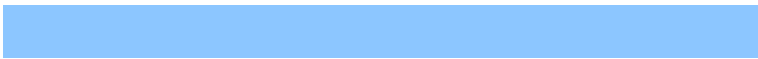
The Inverse Universe completely reimagines the original color for something new.



64.6233, 84.3115, 107.4752



61.1842, 82.5381, 107.3144



48.9455, 52.9557, 102.2493



18.5549, 20.4813, 23.2253



28.1147, 41.1389, 55.8934

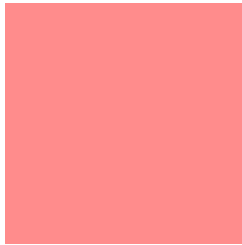


2.7375, 4.0056, 5.4422



# Previews

## White Background



This preview shows how the XYZ color 55.3517, 41.9096, 29.9830 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 55.3517, 41.9096, 29.9830 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 55.3517, 41.9096, 29.9830

## Background



This preview shows how black text looks on a background with the XYZ color 55.3517, 41.9096, 29.9830.



This preview shows how white text looks on a background with the XYZ color 55.3517, 41.9096,

29.9830.

# 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

55.3517, 41.9096, 29.9830

### Protanopia

40.0004, 42.1112, 37.4725

### Deuteranopia

42.8205, 42.0832, 28.7877



## Tritanopia

55.8974, 41.8952, 33.5742

# Trichromacy



## Original Color

55.3517, 41.9096, 29.9830



## Protanomaly

44.2623, 41.1016, 34.4547



## Deuteranomaly

46.6965, 41.4497, 29.2063



## Tritanomaly

55.6609, 41.8006, 32.3288

# Monochromacy



## Original Color

55.3517, 41.9096, 29.9830



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

44.0705, 41.1458, 39.8016

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3517, 41.9096, 29.9830 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, 140, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 140)  
}
```

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, 140, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3517, 41.9096, 29.9830 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, 140, 140) }
```



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

```
.border{ border-color:rgb(255, 140, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3517, 41.9096, 29.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 140) }
```

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

```
.background{ background-color: rgb(255,  
140, 140) }
```

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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