

# Converting Colors

XYZ(49.1488, 34.8792, 20.3477)

Have a look what the booklet for  
XYZ(49.1488, 34.8792, 20.3477)  
contains.

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# Color

**XYZ(49.2353, 34.9947,  
20.3793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA7873
RGB	250, 120, 115
RGB Percent	98%, 47%, 45%
CMY	0.0196, 0.5294, 0.5490
CMYK	0.00, 0.52, 0.54, 0.02
HSL	2°, 93%, 72%
HSV	2°, 54%, 98%
XYZ	49.2353, 34.9947, 20.3793
YIQ	158.3000, 79.0850, 26.0050

# Conversions

## Conversions Part 2

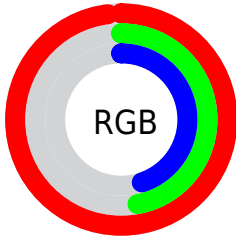
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 120, 115
Decimal	16414835
CIE <sub>Lab</sub>	65.74, 49.21, 26.54
CIE <sub>LCh</sub>	66, 55.910, 28.334
Yxy	34.9947, 0.4707, 0.3345
Android (android.graphics.Color)	4294604915 (0xFFFA7873)
YUV	158.3000, -21.3469, 80.4209
Hunter-Lab	59.1563, 45.0405, 20.9841

# Details

The XYZ color **49.2353, 34.9947, 20.3793** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.9758, 75.8474, 102.0792**, and the grayscale version is **32.7055, 34.4087, 37.4711**.

A 20% lighter version of the original color is **63.5450, 54.7100, 43.7701**, and **23.9476, 15.1205, 6.9666** is the 20% darker color. If you saturate the color by 10%, you get **45.4466, 29.4160, 12.9556**, and if you desaturate by 10%, it is **54.1433, 42.1883, 30.1008**.

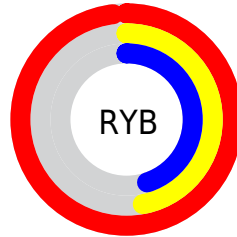
# Distribution



Red (98%)

Green (47%)

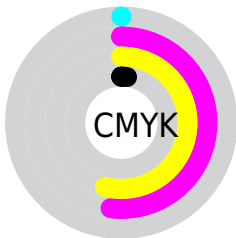
Blue (45%)



Red (98%)

Yellow (47%)

Blue (45%)

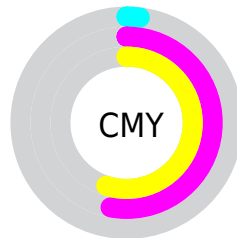


Cyan (0%)

Magenta (52%)

Yellow (54%)

Black (2%)



Cyan (2%)

Magenta (53%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2353, 34.9947, 20.3793 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 49.2353, 34.9947, 20.3793 by changing the saturation by 10% instead.





 49.2353, 34.9947,  
20.3793


 49.2353, 34.9947,  
20.3793


374.1695,  
324.5449, 266.6330


 35.0215, 23.6588,  
12.4843

 88.2394, 67.4776,  
44.9195

 23.8460, 15.0807,  
6.9478

 113.7605, 89.3933,  
62.4017

 15.3435, 8.8760,  
3.3516


 143.7813,  
115.6044, 83.9168

 9.1487, 4.6604,  
1.2768

178.6672,  
146.4954, 109.8832

 4.8962, 2.0494,  
0.0427

218.7837,  
182.4505, 140.7194

 2.2206, 0.6360,  
0.0000

264.4960,

 0.7536, 0.0000,

223.8542, 176.8441

0.0000

316.1695,  
271.0909, 218.6758

■ 0.0000, 0.0000,  
0.0000

■ 49.2353, 34.9947,  
20.3793

■ 49.2353, 34.9947,  
20.3793

■ 45.4466, 29.4160,  
12.9556

■ 54.1433, 42.1883,  
30.1008

■ 42.6868, 25.3225,  
7.6391

■ 60.2467, 51.1025,  
42.2861

■ 40.8556, 22.5739,  
4.2114

■ 67.6178, 61.8403,  
57.0882

■ 39.8312, 21.0001,  
2.4061

■ 76.3225, 74.4952,  
74.6469

■ 39.5248, 20.5252,  
1.8786

■ 86.4220, 89.1544,  
95.0922

93.2342, 99.0639,  
108.8150

# Harmonies

## Analogous

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



51.7314, 34.9947, 39.4371



49.2353, 34.9947, 20.3793



42.2853, 34.9947, 11.0726

# Triad

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



49.2353, 34.9947, 20.3793



21.5232, 34.9947, 18.9112



32.8031, 34.9947, 103.7797

# Complementary

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



49.2353, 34.9947, 20.3793



56.9758, 75.8474, 102.0792

# 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.



25.6224, 34.9947, 91.1962



49.2353, 34.9947, 20.3793



19.8121, 34.9947, 36.7999

# Square

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



49.2353, 34.9947, 20.3793



26.2984, 34.9947, 10.5042



21.1806, 34.9947, 63.9312



41.3563, 34.9947, 93.5759



# Rectangle

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



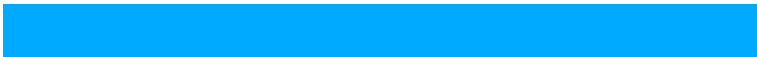
49.2353, 34.9947, 20.3793



36.5670, 34.9947, 8.7126



21.1806, 34.9947, 63.9312



30.1613, 34.9947, 102.0004

# Sweetspot

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



49.2362, 34.9966, 20.3799



77.8856, 75.0902, 74.1412



62.1128, 39.2087, 91.0810



16.2569, 15.4709, 15.0338



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.



49.2362, 34.9966, 20.3799



47.1818, 30.2417, 12.8568



60.2891, 57.1025, 24.0642



17.2962, 17.3283, 17.8955



20.9879, 10.9324, 1.0040



1.9614, 1.0477, 0.0989



# Inverse Universe

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



56.9758, 75.8474, 102.0792



56.0240, 77.0165, 106.5206



40.2461, 42.3879, 96.5026



17.7074, 19.4916, 22.2143



25.8196, 36.9948, 53.7534

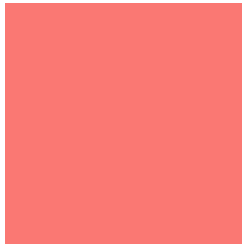


2.4081, 3.4598, 4.9841



# Previews

## White Background



This preview shows how the XYZ color 49.2353, 34.9947, 20.3793 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 49.2353, 34.9947, 20.3793 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 49.2353, 34.9947, 20.3793**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2353, 34.9947, 20.3793.



This preview shows how white text looks on a background with the XYZ color 49.2353, 34.9947,



# 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

49.2353, 34.9947, 20.3793

### Protanopia

33.1666, 35.2701, 27.2500

### Deuteranopia

35.6374, 34.9630, 19.3382



## Tritanopia

50.0280, 34.9725, 23.8523

# Trichromacy



**Original Color**

49.2353, 34.9947, 20.3793

**Protanomaly**

37.1800, 33.7629, 24.2960

**Deuteranomaly**

39.5455, 34.1945, 19.5548

**Tritanomaly**

49.8933, 35.1080, 22.5592

# Monochromacy



**Original Color**

49.2353, 34.9947, 20.3793

**Achromatopsia**

32.4990, 34.1914, 37.2345

**Achromatomaly**

36.3416, 32.9759, 30.0408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2353, 34.9947, 20.3793 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(250, 120, 115)` looks like.

```
.text, #text, p{  
    color:rgb(250, 120, 115)  
}
```

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(250, 120, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 120, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2353, 34.9947, 20.3793 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(250, 120, 115) }
```



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

```
.border{ border-color:rgb(250, 120, 115) }
```

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

Here you see how a box with a 4 pixel rgb(250, 120, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 120, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 120, 115);  
box-shadow:4px 4px 4px 4px rgb(250, 120,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2353, 34.9947, 20.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 120, 115) }
```

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

```
.background{ background-color: rgb(250,  
120, 115) }
```

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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