

# Converting Colors

XYZ(49.8559, 36.5571, 21.5219)

Have a look what the booklet for  
XYZ(49.8559, 36.5571, 21.5219)  
contains.

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# Color

**XYZ(49.9263, 36.6265,  
21.5778)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F97F76
RGB	249, 127, 118
RGB Percent	98%, 50%, 46%
CMY	0.0235, 0.5019, 0.5373
CMYK	0.00, 0.49, 0.53, 0.02
HSL	4°, 92%, 72%
HSV	4°, 53%, 98%
XYZ	49.9263, 36.6265, 21.5778
YIQ	162.4520, 75.6010, 23.0650

# Conversions

## Conversions Part 2

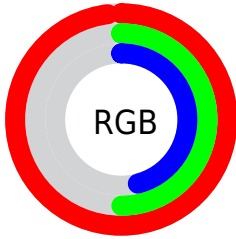
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 128, 118
Decimal	16351094
CIE <sub>Lab</sub>	67.00, 45.69, 26.49
CIE <sub>LCh</sub>	67, 52.813, 30.108
Yxy	36.6265, 0.4617, 0.3387
Android (android.graphics.Color)	4294541174 (0xFFFF97F76)
YUV	162.4520, -21.9148, 75.9026
Hunter-Lab	60.5198, 41.3452, 21.2246

# Details

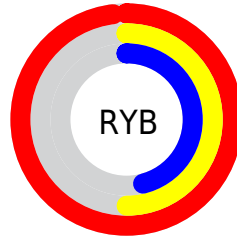
The XYZ color **49.9263, 36.6265, 21.5778** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.7282, 73.0072, 100.7767**, and the grayscale version is **34.6307, 36.4342, 39.6768**.

A 20% lighter version of the original color is **65.2236, 57.6182, 45.7140**, and **24.2933, 16.0311, 7.6083** is the 20% darker color. If you saturate the color by 10%, you get **45.9792, 30.7961, 13.9003**, and if you desaturate by 10%, it is **54.9548, 43.9950, 31.5428**.

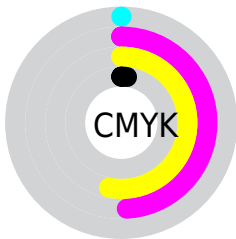
# Distribution



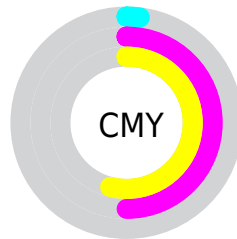
- Red (98%)
- Green (50%)
- Blue (46%)



- Red (98%)
- Yellow (50%)
- Blue (46%)



- Cyan (0%)
- Magenta (49%)
- Yellow (53%)
- Black (2%)




- Cyan (2%)
- Magenta (50%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9263, 36.6265, 21.5778 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 49.9263, 36.6265, 21.5778 by changing the saturation by 10% instead.





 49.9263, 36.6265,  
21.5778

 49.9263, 36.6265,  
21.5778


376.8344,  
331.6906, 273.2146


 35.5724, 24.9184,  
13.3517


 89.2581, 69.9980,  
46.9404

 24.2727, 16.0163,  
7.5376


 114.9668, 92.4302,  
64.9139

 15.6619, 9.5357,  
3.7170


 145.1911,  
119.2059, 86.9737

 9.3745, 5.0922,  
1.4714

180.2964,  
150.7094, 113.5382

 5.0453, 2.3015,  
0.1965

220.6480,  
187.3253, 145.0260

 2.3089, 0.7745,  
0.0000

266.6113,

 0.7992, 0.0000,

229.4379, 181.8557

0.0000

318.5516,  
277.4315, 224.4457

■ 0.0000, 0.0000,  
0.0000

■ 49.9263, 36.6265,  
21.5778

■ 49.9263, 36.6265,  
21.5778

■ 45.9792, 30.7961,  
13.9003

■ 54.9548, 43.9950,  
31.5428

■ 43.0314, 26.3897,  
8.3268

■ 61.1334, 52.9939,  
43.9555

■ 40.9935, 23.2866,  
4.6488

■ 68.5282, 63.7149,  
58.9638

■ 39.7586, 21.3434,  
2.6138

■ 77.1997, 76.2411,  
76.7034

■ 39.2690, 20.5443,  
1.8957

■ 87.2041, 90.6505,  
97.3006

92.8767, 98.8796,  
108.7983

# Harmonies

## Analogous

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



52.6187, 36.6265, 39.7971



49.9263, 36.6265, 21.5778



43.0756, 36.6265, 12.5409

# Triad

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



49.9263, 36.6265, 21.5778



23.0833, 36.6265, 21.6734



34.8414, 36.6265, 102.3382

# Complementary

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



49.9263, 36.6265, 21.5778



55.7282, 73.0072, 100.7767

# 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.



27.6799, 36.6265, 91.7177



49.9263, 36.6265, 21.5778



21.5585, 36.6265, 39.9631

# Square

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



49.9263, 36.6265, 21.5778



27.6369, 36.6265, 12.5793



23.1053, 36.6265, 66.3839



43.1334, 36.6265, 91.5732



# Rectangle

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



49.9263, 36.6265, 21.5778



37.5289, 36.6265, 10.2794



23.1053, 36.6265, 66.3839



32.2302, 36.6265, 101.1127

# Sweetspot

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



49.9272, 36.6284, 21.5785



78.2173, 75.7536, 74.2517



61.3131, 39.4039, 87.0198



16.3346, 15.6264, 15.0597



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.



49.9272, 36.6284, 21.5785



48.3680, 32.2583, 14.3494



61.2378, 59.2496, 25.3487



17.3404, 17.4167, 17.9102



21.0555, 11.0677, 1.0265



1.9825, 1.0898, 0.1059



# Inverse Universe

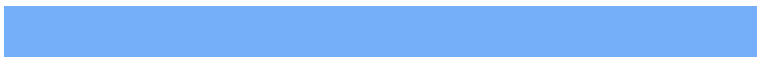
The Inverse Universe completely reimagines the original color for something new.



55.7282, 73.0072, 100.7767



55.0392, 74.2924, 106.0467



39.8549, 41.2605, 95.4856



17.6577, 19.3922, 22.1977



24.6245, 34.6045, 53.3551



2.3105, 3.2646, 4.9515



# Previews

## White Background



This preview shows how the XYZ color 49.9263, 36.6265, 21.5778 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 49.9263, 36.6265, 21.5778 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 49.9263, 36.6265, 21.5778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9263, 36.6265, 21.5778.



This preview shows how white text looks on a background with the XYZ color 49.9263, 36.6265,

21.5778.

# 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

49.9263, 36.6265, 21.5778

### Protanopia

34.6338, 36.7999, 27.8319

### Deuteranopia

37.3748, 36.5713, 20.7119



## Tritanopia

50.9916, 36.6847, 26.5836

# Trichromacy



## Original Color

49.9263, 36.6265, 21.5778

## Protanomaly

38.8900, 35.7887, 25.2803

## Deuteranomaly

41.2442, 35.9357, 20.9821

## Tritanomaly

50.7815, 36.8042, 24.8495

# Monochromacy



## Original Color

49.9263, 36.6265, 21.5778

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

38.1839, 35.0395, 31.9449

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9263, 36.6265, 21.5778 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, 127, 118)` looks like.

```
.text, #text, p{  
    color:rgb(249, 127, 118)  
}
```

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, 127, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 127, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9263, 36.6265, 21.5778 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, 127, 118) }
```



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

```
.border{ border-color:rgb(249, 127, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 127, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 127, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 127, 118);  
box-shadow:4px 4px 4px 4px rgb(249, 127,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9263, 36.6265, 21.5778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 127, 118) }
```

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

```
.background{ background-color: rgb(249,  
127, 118) }
```

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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