

Converting Colors

XYZ(49.6330, 36.8042, 19.6567)

Have a look what the booklet for
XYZ(49.6330, 36.8042, 19.6567)
contains.

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Color

**XYZ(49.6553, 36.7258,
19.5106)**

Conversions

Conversions Part 1

Format	Color
Hex	F9806F
RGB	249, 128, 111
RGB Percent	98%, 50%, 44%
CMY	0.0235, 0.4980, 0.5647
CMYK	0.00, 0.49, 0.55, 0.02
HSL	7°, 92%, 71%
HSV	7°, 55%, 98%
XYZ	49.6553, 36.7258, 19.5106
YIQ	162.2410, 77.5730, 20.3650

Conversions

Conversions Part 2

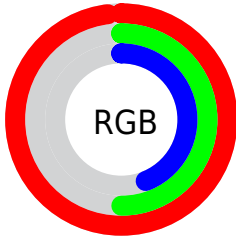
Format	Color
R _Y B	249, 130, 111
Decimal	16351343
CIE Lab	67.07, 44.63, 30.47
CIE LCh	67, 54.043, 34.321
Yxy	36.7258, 0.4689, 0.3468
Android (android.graphics.Color)	4294541423 (0xFFFF9806F)
YUV	162.2410, -25.2618, 76.0876
Hunter-Lab	60.6018, 40.2043, 23.3330

Details

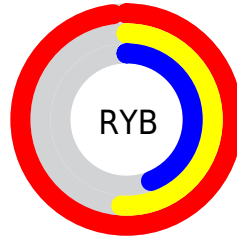
The XYZ color **49.6553, 36.7258, 19.5106** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **52.5090, 67.9282, 99.9659**, and the grayscale version is **34.5460, 36.3451, 39.5798**.

A 20% lighter version of the original color is **64.7843, 57.7713, 42.3868**, and **24.1523, 16.0824, 6.5339** is the 20% darker color. If you saturate the color by 10%, you get **45.9227, 31.1576, 12.4191**, and if you desaturate by 10%, it is **54.3843, 43.6758, 28.8196**.

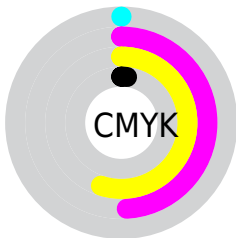
Distribution



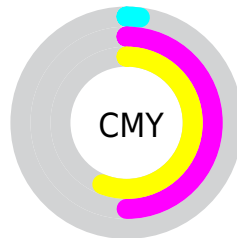
- Red (98%)
- Green (50%)
- Blue (44%)



- Red (98%)
- Yellow (51%)
- Blue (44%)



- Cyan (0%)
- Magenta (49%)
- Yellow (55%)
- Black (2%)



- Cyan (2%)
- Magenta (50%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6553, 36.7258, 19.5106 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 49.6553, 36.7258, 19.5106 by changing the saturation by 10% instead.

49.6553, 36.7258,
19.5106

49.6553, 36.7258,
19.5106

375.7907,
332.1219, 261.7693

35.3563, 24.9953,
11.8593

88.8588, 70.1509,
43.4433

24.1052, 16.0735,
6.5265

114.4940, 92.6142,
60.5617

15.5369, 9.5762,
3.0939

144.6387,
119.4239, 81.6728

9.2858, 5.1189,
1.1428

179.6581,
150.9643, 107.1953

4.9867, 2.3172,
0.0000

219.9176,
187.6200, 137.5477

2.2741, 0.7828,
0.0000

265.7827,

0.7814, 0.0000,

229.7752, 173.1484

0.0000

317.6186,
277.8143, 214.4161

■ 0.0000, 0.0000,
0.0000

■ 49.6553, 36.7258,
19.5106

■ 49.6553, 36.7258,
19.5106

■ 45.9227, 31.1576,
12.4191

■ 54.3843, 43.6758,
28.8196

■ 43.1116, 26.8731,
7.3582

■ 60.1721, 52.0856,
40.5084

■ 41.1405, 23.7703,
4.1131

■ 67.0789, 62.0342,
54.7262

■ 39.9114, 21.7287,
2.4194

■ 75.1599, 73.5935,
71.6096

■ 39.5485, 21.1033,
1.9889

■ 84.4664, 86.8304,
91.2853

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.



53.1585, 36.7258, 36.6736



49.6553, 36.7258, 19.5106



42.2135, 36.7258, 11.4932

Triad

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



49.6553, 36.7258, 19.5106



22.5119, 36.7258, 23.4055



36.1112, 36.7258, 104.2389

Complementary

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



49.6553, 36.7258, 19.5106



52.5090, 67.9282, 99.9659

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.



28.4959, 36.7258, 96.2292



49.6553, 36.7258, 19.5106



21.3991, 36.7258, 43.4966

Square

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



49.6553, 36.7258, 19.5106



26.7320, 36.7258, 13.0434



23.4126, 36.7258, 71.3254



44.5983, 36.7258, 90.2336

Rectangle

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



49.6553, 36.7258, 19.5106



36.4943, 36.7258, 9.7404



23.4126, 36.7258, 71.3254



33.3660, 36.7258, 104.0619

Sweetspot

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



49.6562, 36.7277, 19.5113



77.8904, 75.6176, 72.5465



59.4449, 37.3862, 81.0987



16.2914, 15.6420, 14.7309



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.



49.6562, 36.7277, 19.5113



47.9186, 32.0475, 12.0785



61.6985, 60.8123, 23.5254



17.4169, 17.5697, 17.9357



21.2234, 11.4035, 1.0825



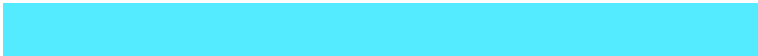
2.0187, 1.1622, 0.1179

Inverse Universe

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



52.5090, 67.9282, 99.9659



51.1267, 67.9259, 105.0241



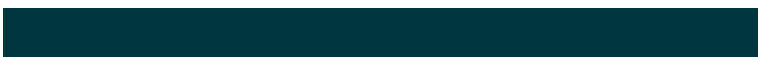
36.9121, 36.7344, 94.7670



17.5726, 19.2220, 22.1693



22.6883, 30.7321, 52.7097



2.1510, 2.9457, 4.8984

Previews

White Background



This preview shows how the XYZ color 49.6553, 36.7258, 19.5106 looks on a white background.

Color Contrast Check

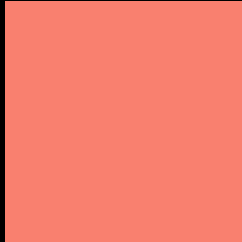
Large Text (above 18pt) WCAG AA × Fail

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 49.6553, 36.7258, 19.5106 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 49.6553, 36.7258, 19.5106

Background



This preview shows how black text looks on a background with the XYZ color 49.6553, 36.7258, 19.5106.



This preview shows how white text looks on a background with the XYZ color 49.6553, 36.7258,

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

49.6553, 36.7258, 19.5106

Protanopia

34.5423, 36.8147, 25.0240

Deuteranopia

37.5159, 36.6879, 18.7398



Tritanopia

51.0610, 36.7125, 26.9493

Trichromacy



Original Color

49.6553, 36.7258, 19.5106

Protanomaly

38.7147, 35.7497, 22.9491

Deuteranomaly

41.3046, 36.2394, 19.0053

Tritanomaly

50.6511, 36.7521, 24.1629

Monochromacy



Original Color

49.6553, 36.7258, 19.5106

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.1124, 35.2652, 30.7847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6553, 36.7258, 19.5106 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, 128, 111)` looks like.

```
.text, #text, p{  
    color:rgb(249, 128, 111)  
}
```

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, 128, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 128, 111) }
```

Border

The CSS property to change the border of an element to XYZ 49.6553, 36.7258, 19.5106 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, 128, 111) }
```


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

```
.border{ border-color:rgb(249, 128, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 128, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 128, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 128, 111);  
box-shadow:4px 4px 4px 4px rgb(249, 128,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6553, 36.7258, 19.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 128, 111) }
```

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

```
.background{ background-color: rgb(249,  
128, 111) }
```

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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