

Converting Colors

XYZ(51.2350, 40.4829, 21.7649)

Have a look what the booklet for
XYZ(51.2350, 40.4829, 21.7649)
contains.

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Color

**XYZ(51.1832, 40.3811,
21.6197)**

Conversions

Conversions Part 1

Format	Color
Hex	F78E74
RGB	247, 142, 116
RGB Percent	97%, 56%, 45%
CMY	0.0314, 0.4431, 0.5451
CMYK	0.00, 0.43, 0.53, 0.03
HSL	12°, 89%, 71%
HSV	12°, 53%, 97%
XYZ	51.1832, 40.3811, 21.6197
YIQ	170.4310, 70.9260, 14.1740

Conversions

Conversions Part 2

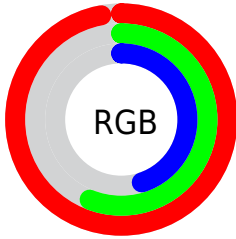
Format	Color
R _Y B	247, 148, 116
Decimal	16223860
CIE Lab	69.74, 37.22, 31.15
CIE LCh	70, 48.532, 39.928
Yxy	40.3811, 0.4522, 0.3568
Android (android.graphics.Color)	4294413940 (0xFFFF78E74)
YUV	170.4310, -26.8345, 67.1510
Hunter-Lab	63.5461, 32.5670, 24.3106

Details

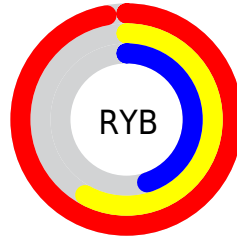
The XYZ color **51.1832, 40.3811, 21.6197** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.8460, 62.1383, 97.3622**, and the grayscale version is **38.5298, 40.5363, 44.1441**.

A 20% lighter version of the original color is **68.2741, 64.0197, 45.8044**, and **25.1628, 18.2824, 7.5128** is the 20% darker color. If you saturate the color by 10%, you get **47.2444, 34.5055, 14.1360**, and if you desaturate by 10%, it is **56.0290, 47.4598, 31.2906**.

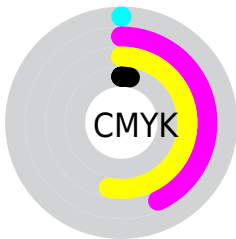
Distribution



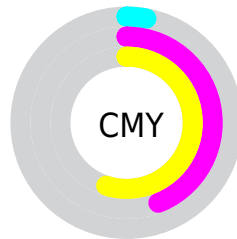
- Red (97%)
- Green (56%)
- Blue (45%)



- Red (97%)
- Yellow (58%)
- Blue (45%)



- Cyan (0%)
- Magenta (43%)
- Yellow (53%)
- Black (3%)





- Cyan (3%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1832, 40.3811, 21.6197 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 51.1832, 40.3811, 21.6197 by changing the saturation by 10% instead.


 51.1832, 40.3811,
21.6197


 51.1832, 40.3811,
21.6197


381.6511,
347.7272, 273.4422

 36.5761, 27.8358,
13.3821


 91.1069, 75.7435,
47.0107

 25.0516, 18.2019,
7.5584


 117.1542, 99.3294,
65.0012

 16.2444, 11.0951,
3.7300


 147.7455,
127.3643, 87.0798

 9.7892, 6.1308,
1.4784

183.2463,
160.2325, 113.6649

 5.3206, 2.9248,
0.2018

224.0219,
198.3185, 145.1752

 2.4733, 1.0926,
0.0000

270.4377,

 0.8818, 0.0000,

242.0067, 182.0291

0.0000

322.8589,
291.6815, 224.6453

■ 0.0000, 0.0000,
0.0000

■ 51.1832, 40.3811,
21.6197

■ 51.1832, 40.3811,
21.6197

■ 47.2444, 34.5055,
14.1360

■ 56.0290, 47.4598,
31.2906

■ 44.1510, 29.7589,
8.6647

■ 61.8320, 55.7977,
43.3003

■ 41.8379, 26.0687,
5.0079

■ 68.6423, 65.4547,
57.7895

■ 40.2280, 23.3504,
2.9254

■ 76.5054, 76.4852,
74.8870

■ 39.4574, 21.9736,
2.1617

■ 85.4641, 88.9404,
94.7129

92.1677, 98.5141,
108.7651

Harmonies

Analogous

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



55.2849, 40.3811, 36.9169



51.1832, 40.3811, 21.6197



43.8079, 40.3811, 14.5473

Triad

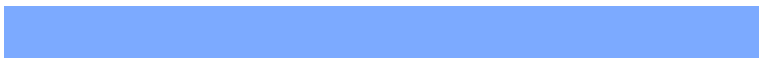
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.1832, 40.3811, 21.6197



25.8586, 40.3811, 30.7176



41.0473, 40.3811, 101.9050

Complementary

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



51.1832, 40.3811, 21.6197



49.8460, 62.1383, 97.3622

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.



33.4219, 40.3811, 98.4733



51.1832, 40.3811, 21.6197



25.3304, 40.3811, 51.8645

Square

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



51.1832, 40.3811, 21.6197



29.4713, 40.3811, 18.4189



27.9142, 40.3811, 78.0293



48.9266, 40.3811, 86.2382

Rectangle

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



51.1832, 40.3811, 21.6197



38.4001, 40.3811, 13.3250



27.9142, 40.3811, 78.0293



38.3619, 40.3811, 103.0448

Sweetspot

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



51.1842, 40.3832, 21.6204



79.6041, 78.5271, 74.7140



57.9203, 37.5920, 74.0035



16.6605, 16.2782, 15.1684



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.



51.1842, 40.3832, 21.6204



50.3956, 36.4943, 14.4674



63.4653, 64.9455, 25.7142



16.7655, 17.0151, 17.1982



20.9463, 11.7782, 1.1694



1.9101, 1.1735, 0.1258

Inverse Universe

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



49.8460, 62.1383, 97.3622



48.7251, 62.0478, 104.0161



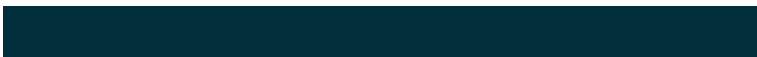
36.1302, 34.7066, 92.7903



16.7009, 18.1661, 21.1687



19.6573, 25.1084, 50.3484



1.7972, 2.3457, 4.4483

Previews

White Background



This preview shows how the XYZ color 51.1832, 40.3811, 21.6197 looks on a white background.

Color Contrast Check

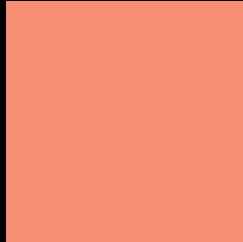
Large Text (above 18pt) WCAG AA × Fail

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 51.1832, 40.3811, 21.6197 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 51.1832, 40.3811, 21.6197

Background



This preview shows how black text looks on a background with the XYZ color 51.1832, 40.3811, 21.6197.



This preview shows how white text looks on a background with the XYZ color 51.1832, 40.3811,

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

51.1832, 40.3811, 21.6197

Protanopia

37.9876, 40.7516, 26.2858

Deuteranopia

41.1987, 40.3434, 20.9449



Tritanopia

53.5007, 40.4548, 33.0057

Trichromacy



Original Color

51.1832, 40.3811, 21.6197

Protanomaly

41.6625, 39.7187, 24.5394

Deuteranomaly

44.2172, 39.8506, 20.9842

Tritanomaly

52.3880, 40.1993, 28.2906

Monochromacy



Original Color

51.1832, 40.3811, 21.6197

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.3645, 39.3494, 34.2692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1832, 40.3811, 21.6197 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(247, 142, 116)` looks like.

```
.text, #text, p{  
    color:rgb(247, 142, 116)  
}
```

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(247, 142, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 142, 116) }
```

Border

The CSS property to change the border of an element to XYZ 51.1832, 40.3811, 21.6197 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(247, 142, 116) }
```


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

```
.border{ border-color:rgb(247, 142, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 142, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 142, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 142, 116); box-shadow:4px 4px 4px 4px rgb(247, 142, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1832, 40.3811, 21.6197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 142, 116) }
```

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

```
.background{ background-color: rgb(247,  
142, 116) }
```

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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