

Converting Colors

XYZ(51.4653, 41.4304, 21.9300)

Have a look what the booklet for
XYZ(51.4653, 41.4304, 21.9300)
contains.

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Color

**XYZ(51.4373, 41.4116,
21.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	F69274
RGB	246, 146, 116
RGB Percent	96%, 57%, 45%
CMY	0.0353, 0.4274, 0.5451
CMYK	0.00, 0.41, 0.53, 0.04
HSL	14°, 88%, 71%
HSV	14°, 53%, 96%
XYZ	51.4373, 41.4116, 21.8052
YIQ	172.4800, 69.2300, 11.8700

Conversions

Conversions Part 2

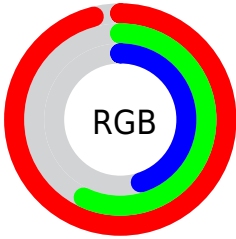
Format	Color
R_{YB}	246, 155, 116
Decimal	16159348
CIE _{Lab}	70.46, 34.77, 32.06
CIE _{LCh}	70, 47.298, 42.679
Yxy	41.4116, 0.4486, 0.3612
Android (android.graphics.Color)	4294349428 (0xFFFF69274)
YUV	172.4800, -27.8446, 64.4770
Hunter-Lab	64.3518, 30.0617, 24.9563

Details

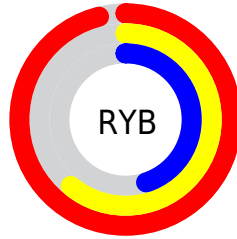
The XYZ color **51.4373, 41.4116, 21.8052** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.3913, 59.4754, 96.1177**, and the grayscale version is **39.5694, 41.6301, 45.3352**.

A 20% lighter version of the original color is **69.1945, 65.8604, 46.1112**, and **25.2655, 18.8498, 7.6169** is the 20% darker color. If you saturate the color by 10%, you get **47.5119, 35.5558, 14.3474**, and if you desaturate by 10%, it is **56.2263, 48.3887, 31.4206**.

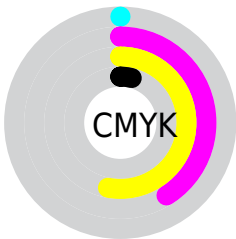
Distribution



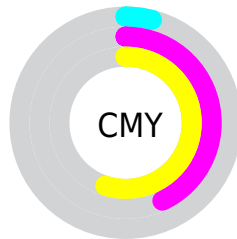
- Red (96%)
- Green (57%)
- Blue (45%)



- Red (96%)
- Yellow (61%)
- Blue (45%)



- Cyan (0%)
- Magenta (41%)
- Yellow (53%)
- Black (4%)



- Cyan (4%)
- Magenta (43%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4373, 41.4116, 21.8052 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 51.4373, 41.4116, 21.8052 by changing the saturation by 10% instead.

51.4373, 41.4116,
21.8052

51.4373, 41.4116,
21.8052

382.6201,
352.0380, 274.4475

36.7792, 28.6408,
13.5169

91.4800, 77.3083,
47.3219

25.2095, 18.8093,
7.6505

117.5953,
101.2031, 65.3873

16.3628, 11.5326,
3.7876

148.2604,
129.5746, 87.5489

9.8737, 6.4262,
1.5096

183.8407,
162.8073, 114.2251

5.3769, 3.1060,
0.2250

224.7014,
201.2856, 145.8346

2.5071, 1.1873,
0.0000

271.2080,

0.8988, 0.0513,

245.3939, 182.7958

0.0000

323.7258,
295.5166, 225.5272

■ 0.0000, 0.0000,
0.0000

■ 51.4373, 41.4116,
21.8052

■ 51.4373, 41.4116,
21.8052

■ 47.5119, 35.5558,
14.3474

■ 56.2263, 48.3887,
31.4206

■ 44.3928, 30.7553,
8.8756

■ 61.9253, 56.5358,
43.3421

■ 42.0199, 26.9464,
5.1959

■ 68.5807, 65.9064,
57.7080

■ 40.3220, 24.0556,
3.0733

■ 76.2350, 76.5488,
74.6447

■ 39.4582, 22.4974,
2.2628

■ 84.9279, 88.5086,
94.2699

91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



55.8658, 41.4116, 36.3108



51.4373, 41.4116, 21.8052



43.9928, 41.4116, 15.2753

Triad

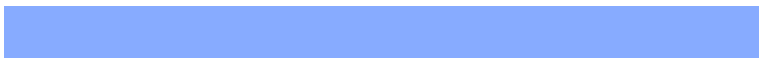
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.4373, 41.4116, 21.8052



26.7176, 41.4116, 33.4815



42.7422, 41.4116, 101.2600

Complementary

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



51.4373, 41.4116, 21.8052



48.3913, 59.4754, 96.1177

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.



35.0653, 41.4116, 99.7249



51.4373, 41.4116, 21.8052



26.4757, 41.4116, 55.1816

Square

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



51.4373, 41.4116, 21.8052



30.0507, 41.4116, 20.3257



29.3394, 41.4116, 80.8901



50.4183, 41.4116, 84.5736

Rectangle

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



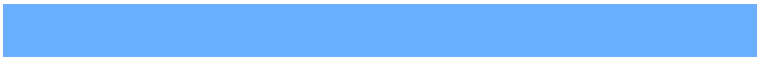
51.4373, 41.4116, 21.8052



38.6642, 41.4116, 14.3707



29.3394, 41.4116, 80.8901



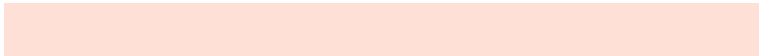
40.0651, 41.4116, 102.9840

Sweetspot

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



51.4383, 41.4137, 21.8060



79.9561, 79.2311, 74.8313



56.8845, 37.1371, 70.3853



16.7435, 16.4441, 15.1960



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.



51.4383, 41.4137, 21.8060



51.4504, 38.4230, 15.3769



63.9997, 66.5365, 25.9931



16.8095, 17.1031, 17.2128



21.1488, 12.1832, 1.2369



1.9338, 1.2209, 0.1337

Inverse Universe

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



48.3913, 59.4754, 96.1177



47.7525, 59.7191, 103.6179



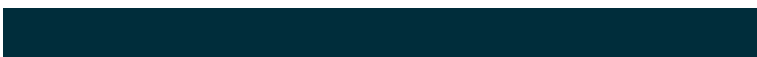
35.2012, 33.0951, 91.7210



16.6535, 18.0712, 21.1529



18.7289, 23.2516, 50.0389



1.7231, 2.1975, 4.4236

Previews

White Background



This preview shows how the XYZ color 51.4373, 41.4116, 21.8052 looks on a white background.

Color Contrast Check

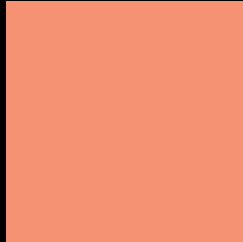
Large Text (above 18pt) WCAG AA × Fail

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 51.4373, 41.4116, 21.8052 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 51.4373, 41.4116, 21.8052

Background



This preview shows how black text looks on a background with the XYZ color 51.4373, 41.4116, 21.8052.



This preview shows how white text looks on a background with the XYZ color 51.4373, 41.4116,

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

51.4373, 41.4116, 21.8052

Protanopia

38.7819, 41.7337, 26.0901

Deuteranopia

42.3922, 41.4900, 21.1033



Tritanopia

54.1777, 41.4239, 34.4183

Trichromacy



Original Color

51.4373, 41.4116, 21.8052

Protanomaly

42.4045, 40.8898, 24.3965

Deuteranomaly

45.3317, 41.1756, 21.1812

Tritanomaly

53.1213, 41.4364, 29.2430

Monochromacy



Original Color

51.4373, 41.4116, 21.8052

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.3179, 40.6035, 35.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4373, 41.4116, 21.8052 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(246, 146, 116)` looks like.

```
.text, #text, p{  
    color:rgb(246, 146, 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(246, 146, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 146, 116) }
```

Border

The CSS property to change the border of an element to XYZ 51.4373, 41.4116, 21.8052 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(246, 146, 116) }
```


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

```
.border{ border-color:rgb(246, 146, 116) }
```

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

Here you see how a box with a 4 pixel rgb(246, 146, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 146, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 146, 116);  
box-shadow:4px 4px 4px 4px rgb(246, 146,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4373, 41.4116, 21.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 146, 116) }
```

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

```
.background{ background-color: rgb(246,  
146, 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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