

Converting Colors

XYZ(47.4580, 34.0113, 18.9171)

Have a look what the booklet for
XYZ(47.4580, 34.0113, 18.9171)
contains.

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Color

**XYZ(47.4173, 33.9123,
18.7984)**

Conversions

Conversions Part 1

Format	Color
Hex	F6776E
RGB	246, 119, 110
RGB Percent	96%, 47%, 43%
CMY	0.0353, 0.5333, 0.5686
CMYK	0.00, 0.52, 0.55, 0.04
HSL	4°, 88%, 70%
HSV	4°, 55%, 96%
XYZ	47.4173, 33.9123, 18.7984
YIQ	155.9470, 78.5810, 24.1250

Conversions

Conversions Part 2

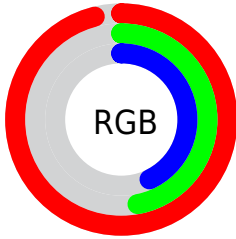
Format	Color
R_{YB}	246, 120, 110
Decimal	16152430
CIE _{Lab}	64.89, 47.88, 28.11
CIE _{LCh}	65, 55.518, 30.414
Yxy	33.9123, 0.4736, 0.3387
Android (android.graphics.Color)	4294342510 (0xFFFF6776E)
YUV	155.9470, -22.6519, 78.9765
Hunter-Lab	58.2343, 43.4338, 21.6248

Details

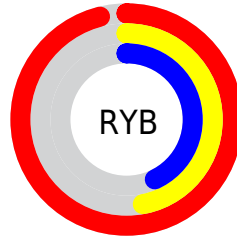
The XYZ color **47.4173, 33.9123, 18.7984** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **53.3469, 70.5327, 97.9908**, and the grayscale version is **31.6507, 33.2990, 36.2626**.

A 20% lighter version of the original color is **62.8976, 54.1407, 41.3176**, and **22.8253, 14.5585, 6.1645** is the 20% darker color. If you saturate the color by 10%, you get **43.8478, 28.6276, 11.8927**, and if you desaturate by 10%, it is **52.0208, 40.6705, 27.8830**.

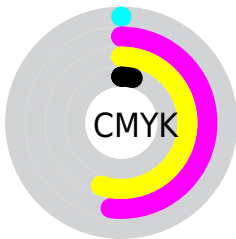
Distribution



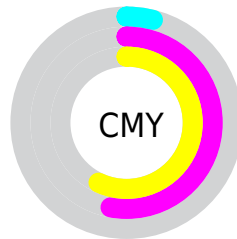
- Red (96%)
- Green (47%)
- Blue (43%)



- Red (96%)
- Yellow (47%)
- Blue (43%)



- Cyan (0%)
- Magenta (52%)
- Yellow (55%)
- Black (4%)





- Cyan (4%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4173, 33.9123, 18.7984 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 47.4173, 33.9123, 18.7984 by changing the saturation by 10% instead.


 47.4173, 33.9123,
18.7984

 47.4173, 33.9123,
18.7984


367.0989,
319.7408, 257.7191

 33.5750, 22.8262,
11.3494


 85.5511, 65.7973,
42.2253


 22.7286, 14.4653,
6.1852


 110.5734, 87.3650,
59.0403

 14.5129, 8.4450,
2.8874


 140.0530,
113.1953, 79.8143

 8.5623, 4.3810,
1.0374

 174.3553,
143.6727, 104.9659

 4.5116, 1.8889,
0.0000

213.8457,
179.1816, 134.9136

 1.9954, 0.5417,
0.0000

258.8896,

 0.6314, 0.0000,

220.1063, 170.0761

0.0000

309.8522,
266.8312, 210.8717

■ 0.0000, 0.0000,
0.0000

■ 47.4173, 33.9123,
18.7984

■ 47.4173, 33.9123,
18.7984

■ 43.8478, 28.6276,
11.8927

■ 52.0208, 40.6705,
27.8830

■ 41.2297, 24.7014,
6.9816

■ 57.7273, 48.9949,
39.3068

■ 39.4720, 22.0107,
3.8533

■ 64.6028, 58.9774,
53.2168

■ 38.4646, 20.4079,
2.2470

■ 72.7075, 70.7009,
69.7479

■ 38.1955, 19.9720,
1.8419

■ 82.0973, 84.2428,
89.0248

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.



50.2104, 33.9123, 36.6074



47.4173, 33.9123, 18.7984



40.4478, 33.9123, 10.3213

Triad

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



47.4173, 33.9123, 18.7984



20.6119, 33.9123, 19.1520



32.3439, 33.9123, 100.8987

Complementary

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



47.4173, 33.9123, 18.7984



53.3469, 70.5327, 97.9908

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.



25.2127, 33.9123, 90.0752



47.4173, 33.9123, 18.7984



19.1577, 33.9123, 37.2439

Square

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



47.4173, 33.9123, 18.7984



25.0497, 33.9123, 10.4580



20.6945, 33.9123, 64.0476



40.6721, 33.9123, 89.4998

Rectangle

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



47.4173, 33.9123, 18.7984



34.8653, 33.9123, 8.2785



20.6945, 33.9123, 64.0476



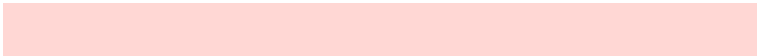
29.7359, 33.9123, 99.7021

Sweetspot

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



47.4181, 33.9141, 18.7990



77.2582, 74.3531, 72.3358



59.1913, 36.9886, 85.8357



16.1444, 15.3479, 14.6819



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.



47.4181, 33.9141, 18.7990



47.3014, 30.6499, 12.3757



58.1275, 55.3329, 22.3688



16.5872, 16.6586, 17.1388



20.4217, 10.7289, 0.9945



1.8251, 1.0035, 0.0975

Inverse Universe

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



53.3469, 70.5327, 97.9908



54.2592, 73.8451, 106.0015



37.6657, 39.1704, 92.7637



16.8972, 18.5588, 21.2342



23.9804, 33.7547, 51.7894



2.1354, 3.0223, 4.5611

Previews

White Background



This preview shows how the XYZ color 47.4173, 33.9123, 18.7984 looks on a white background.

Color Contrast Check

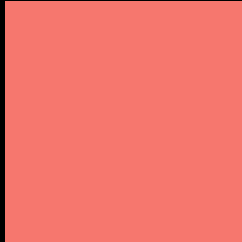
Large Text (above 18pt) WCAG AA × Fail

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 47.4173, 33.9123, 18.7984 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 47.4173, 33.9123, 18.7984

Background



This preview shows how black text looks on a background with the XYZ color 47.4173, 33.9123, 18.7984.



This preview shows how white text looks on a background with the XYZ color 47.4173, 33.9123,

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

47.4173, 33.9123, 18.7984

Protanopia

32.2061, 34.3109, 25.0039

Deuteranopia

34.5516, 33.9515, 17.8289



Tritanopia

48.4207, 33.9774, 23.4083

Trichromacy



Original Color

47.4173, 33.9123, 18.7984

Protanomaly

36.1894, 33.0628, 22.5635

Deuteranomaly

38.4125, 33.2075, 18.0208

Tritanomaly

48.2264, 34.0871, 21.8070

Monochromacy



Original Color

47.4173, 33.9123, 18.7984

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.4689, 32.3278, 28.7966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4173, 33.9123, 18.7984 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, 119, 110)` looks like.

```
.text, #text, p{  
    color:rgb(246, 119, 110)  
}
```

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, 119, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 119, 110) }
```

Border

The CSS property to change the border of an element to XYZ 47.4173, 33.9123, 18.7984 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, 119, 110) }
```


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

```
.border{ border-color:rgb(246, 119, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 119, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 119, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 119, 110);  
box-shadow:4px 4px 4px 4px rgb(246, 119,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4173, 33.9123, 18.7984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 119, 110) }
```

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

```
.background{ background-color: rgb(246,  
119, 110) }
```

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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