

# Converting Colors

XYZ(46.5476, 32.4802, 19.1209)

Have a look what the booklet for  
XYZ(46.5476, 32.4802, 19.1209)  
contains.

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# Color

**XYZ(46.4859, 32.3926,  
19.1315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F57170
RGB	245, 113, 112
RGB Percent	96%, 44%, 44%
CMY	0.0392, 0.5568, 0.5608
CMYK	0.00, 0.54, 0.54, 0.04
HSL	0°, 87%, 70%
HSV	0°, 54%, 96%
XYZ	46.4859, 32.3926, 19.1315
YIQ	152.3540, 78.9930, 27.6730

# Conversions

## Conversions Part 2

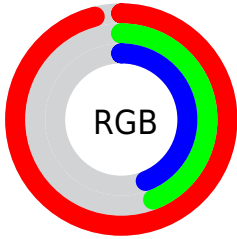
Format	Color
R <sub>Y</sub> B	245, 113, 112
Decimal	16085360
CIE Lab	63.67, 50.55, 25.34
CIE LCh	64, 56.546, 26.619
Yxy	32.3926, 0.4743, 0.3305
Android (android.graphics.Color)	4294275440 (0xFFFF57170)
YUV	152.3540, -19.8945, 81.2505
Hunter-Lab	56.9145, 46.1926, 19.9101

# Details

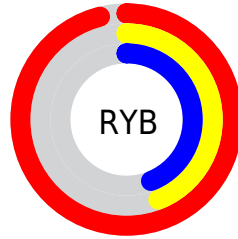
The XYZ color **46.4859, 32.3926, 19.1315** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.5117, 74.7338, 97.8850**, and the grayscale version is **30.0585, 31.6239, 34.4384**.

A 20% lighter version of the original color is **61.9435, 51.9456, 41.8837**, and **22.2565, 13.6884, 6.3196** is the 20% darker color. If you saturate the color by 10%, you get **42.9438, 27.2026, 12.1117**, and if you desaturate by 10%, it is **51.1272, 39.1874, 28.3488**.

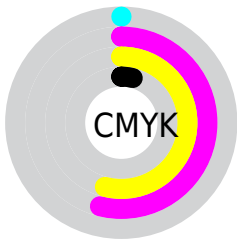
# Distribution



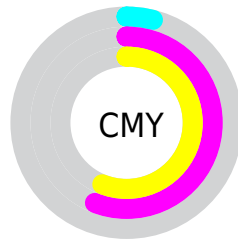
- Red (96%)
- Green (44%)
- Blue (44%)



- Red (96%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (54%)
- Yellow (54%)
- Black (4%)




- Cyan (4%)
- Magenta (56%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4859, 32.3926, 19.1315 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 46.4859, 32.3926, 19.1315 by changing the saturation by 10% instead.





 46.4859, 32.3926,  
19.1315


 46.4859, 32.3926,  
19.1315


363.4420,  
312.9038, 259.6206


 32.8357, 21.6615,  
11.5876

 84.1691, 63.4261,  
42.7958


 22.1592, 13.6084,  
6.3444


 108.9329, 84.4973,  
59.7533

 14.0912, 7.8488,  
2.9834


 138.1318,  
109.7839, 80.6857

 8.2662, 3.9984,  
1.0862

 172.1313,  
139.6705, 106.0116

 4.3190, 1.6726,  
0.0000

211.2967,  
174.5414, 136.1495

 1.8841, 0.4059,  
0.0000

255.9934,

 0.5676, 0.0000,

214.7810, 171.5179

0.0000

306.5867,  
260.7737, 212.5355

■ 0.0000, 0.0000,  
0.0000

■ 46.4859, 32.3926,  
19.1315

■ 46.4859, 32.3926,  
19.1315

■ 42.9438, 27.2026,  
12.1117

■ 51.1272, 39.1874,  
28.3488

■ 40.4081, 23.4810,  
7.1053

■ 56.9455, 47.6985,  
39.9239

■ 38.7750, 21.0776,  
3.9011

■ 64.0145, 58.0336,  
54.0042

■ 37.9169, 19.8073,  
2.2403

■ 72.4011, 70.2900,  
70.7245

■ 37.6761, 19.4527,  
1.7690

■ 82.1675, 84.5581,  
90.2100

91.4660, 98.1524,  
108.7323

# Harmonies

## Analogous

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



48.6042, 32.3926, 37.9018



46.4859, 32.3926, 19.1315



39.9378, 32.3926, 9.9675

# Triad

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



46.4859, 32.3926, 19.1315



19.7539, 32.3926, 16.3221



29.8999, 32.3926, 99.0723

# Complementary

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



46.4859, 32.3926, 19.1315



55.5117, 74.7338, 97.8850

# 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.



23.1550, 32.3926, 85.5806



46.4859, 32.3926, 19.1315



17.9640, 32.3926, 32.7630

# Square

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



46.4859, 32.3926, 19.1315



24.4638, 32.3926, 8.9016



19.0941, 32.3926, 58.6087



38.1182, 32.3926, 90.3036



# Rectangle

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



46.4859, 32.3926, 19.1315



34.4440, 32.3926, 7.5992



19.0941, 32.3926, 58.6087



27.4007, 32.3926, 96.8853

# Sweetspot

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



46.4867, 32.3943, 19.1321



77.5788, 74.4765, 74.0389



59.9316, 37.5934, 90.4832



16.1851, 15.3273, 15.0099



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.



46.4867, 32.3943, 19.1321



46.7527, 29.3834, 12.7138



56.6007, 52.6224, 22.5034



16.5092, 16.5026, 17.1128



20.3015, 10.4885, 0.9545



1.7878, 0.9288, 0.0850



# Inverse Universe

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



55.5117, 74.7338, 97.8850



57.5546, 80.0777, 107.0308



39.1836, 42.0775, 92.4423



16.9854, 18.7350, 21.2636



26.1735, 38.1407, 52.5204



2.3038, 3.3590, 4.6172



# Previews

## White Background



This preview shows how the XYZ color 46.4859, 32.3926, 19.1315 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 46.4859, 32.3926, 19.1315 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 46.4859, 32.3926, 19.1315**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4859, 32.3926, 19.1315.



This preview shows how white text looks on a background with the XYZ color 46.4859, 32.3926,



# 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

46.4859, 32.3926, 19.1315

### Protanopia

30.7566, 32.5364, 26.1318

### Deuteranopia

33.1990, 32.5347, 18.1657



## Tritanopia

46.7801, 32.3327, 21.2280

# Trichromacy



## Original Color

46.4859, 32.3926, 19.1315

## Protanomaly

34.8630, 31.2579, 23.2647

## Deuteranomaly

37.1029, 31.6761, 18.3459

## Tritanomaly

46.6027, 32.2618, 20.2939

# Monochromacy



## Original Color

46.4859, 32.3926, 19.1315

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

33.8535, 30.4222, 27.7547

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4859, 32.3926, 19.1315 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(245, 113, 112)` looks like.

```
.text, #text, p{  
    color:rgb(245, 113, 112)  
}
```

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(245, 113, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 113, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4859, 32.3926, 19.1315 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(245, 113, 112) }
```



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

```
.border{ border-color:rgb(245, 113, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 113, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 113, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 113, 112);  
box-shadow:4px 4px 4px 4px rgb(245, 113,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4859, 32.3926, 19.1315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 113, 112) }
```

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

```
.background{ background-color: rgb(245,  
113, 112) }
```

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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