

Converting Colors

XYZ(47.5091, 33.8377, 21.3233)

Have a look what the booklet for
XYZ(47.5091, 33.8377, 21.3233)
contains.

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Color

**XYZ(47.5828, 33.9380,
21.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	F57777
RGB	245, 119, 119
RGB Percent	96%, 47%, 47%
CMY	0.0392, 0.5333, 0.5333
CMYK	0.00, 0.51, 0.51, 0.04
HSL	0°, 86%, 71%
HSV	0°, 51%, 96%
XYZ	47.5828, 33.9380, 21.4956
YIQ	156.6740, 75.0960, 26.7120

Conversions

Conversions Part 2

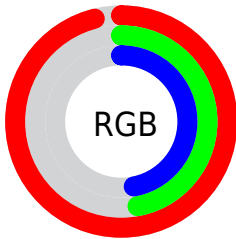
Format	Color
R _Y B	245, 119, 119
Decimal	16086903
CIE Lab	64.91, 48.25, 23.05
CIE LCh	65, 53.474, 25.535
Yxy	33.9380, 0.4619, 0.3294
Android (android.graphics.Color)	4294276983 (0xFFFF57777)
YUV	156.6740, -18.5733, 77.4619
Hunter-Lab	58.2563, 43.8472, 18.9024

Details

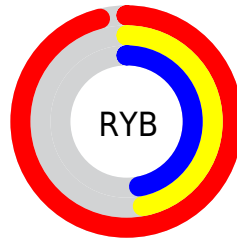
The XYZ color **47.5828, 33.9380, 21.4956** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.7397, 75.8153, 98.0293**, and the grayscale version is **31.9595, 33.6239, 36.6164**.

A 20% lighter version of the original color is **63.7267, 54.4724, 45.6835**, and **22.7948, 14.4259, 7.5443** is the 20% darker color. If you saturate the color by 10%, you get **43.7471, 28.3258, 13.8697**, and if you desaturate by 10%, it is **52.5507, 41.2081, 31.3703**.

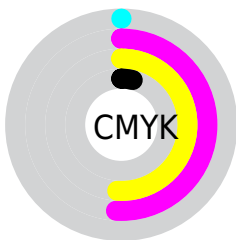
Distribution



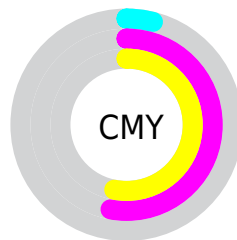
- Red (96%)
- Green (47%)
- Blue (47%)



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



- Cyan (0%)
- Magenta (51%)
- Yellow (51%)
- Black (4%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5828, 33.9380, 21.4956 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 47.5828, 33.9380, 21.4956 by changing the saturation by 10% instead.


 47.5828, 33.9380,
21.4956

 47.5828, 33.9380,
21.4956


367.7462,
319.8555, 272.7678

 33.7065, 22.8460,
13.2920


 85.7964, 65.8372,
46.8024

 22.8300, 14.4798,
7.4968


 110.8643, 87.4132,
64.7426

 14.5881, 8.4551,
3.6916


 140.3936,
113.2527, 86.7654

 8.6152, 4.3875,
1.4577

174.7494,
143.7400, 113.2894

 4.5462, 1.8926,
0.1861

214.2973,
179.2595, 144.7331

 2.0155, 0.5439,
0.0000

259.4025,

 0.6427, 0.0000,

220.1957, 181.5150

0.0000

310.4303,
266.9329, 224.0537

■ 0.0000, 0.0000,
0.0000

■ 47.5828, 33.9380,
21.4956

■ 47.5828, 33.9380,
21.4956

■ 43.7471, 28.3258,
13.8697

■ 52.5507, 41.2081,
31.3703

■ 40.9524, 24.2362,
8.3142

■ 58.7276, 50.2467,
43.6496

■ 39.0975, 21.5218,
4.6270

■ 66.1866, 61.1613,
58.4776

■ 38.0599, 20.0034,
2.5646

■ 74.9941, 74.0492,
75.9866

■ 37.6562, 19.4127,
1.7623

■ 85.2121, 89.0010,
96.2997

91.4661, 98.1524,
108.7323

Harmonies

Analogous

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



49.4257, 33.9380, 40.3608



47.5828, 33.9380, 21.4956



41.4033, 33.9380, 11.8240

Triad

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



47.5828, 33.9380, 21.4956



21.5053, 33.9380, 17.7446



31.1156, 33.9380, 97.5683

Complementary

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



47.5828, 33.9380, 21.4956



56.7397, 75.8153, 98.0293

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.



24.5679, 33.9380, 84.2250



47.5828, 33.9380, 21.4956



19.6107, 33.9380, 33.7421

Square

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



47.5828, 33.9380, 21.4956



26.2747, 33.9380, 10.3428



20.6357, 33.9380, 58.4628



39.0848, 33.9380, 90.0857

Rectangle

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



47.5828, 33.9380, 21.4956



36.1071, 33.9380, 9.1890



20.6357, 33.9380, 58.4628



28.6909, 33.9380, 95.2598

Sweetspot

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



47.5836, 33.9398, 21.4962



78.4808, 75.7547, 75.9610



60.7344, 39.1989, 90.7511



16.3598, 15.5732, 15.3873



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.



47.5836, 33.9398, 21.4962



47.6592, 30.6536, 14.6896



57.7140, 54.2004, 24.8730



16.4993, 16.4827, 17.1094



20.2863, 10.4581, 0.9494



1.7830, 0.9192, 0.0835

Inverse Universe

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



56.7397, 75.8153, 98.0293



58.7265, 81.2708, 107.1994



40.8173, 43.9706, 92.7218



16.9967, 18.7577, 21.2673



26.4674, 38.7286, 52.6184



2.3262, 3.4039, 4.6247

Previews

White Background



This preview shows how the XYZ color 47.5828, 33.9380, 21.4956 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 47.5828, 33.9380, 21.4956 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 47.5828, 33.9380, 21.4956

Background



This preview shows how black text looks on a background with the XYZ color 47.5828, 33.9380, 21.4956.



This preview shows how white text looks on a background with the XYZ color 47.5828, 33.9380,

21.4956.

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

47.5828, 33.9380, 21.4956

Protanopia

32.2982, 34.0271, 28.5325

Deuteranopia

34.5408, 33.8903, 20.3438



Tritanopia

47.9005, 33.8757, 23.7527

Trichromacy



Original Color

47.5828, 33.9380, 21.4956

Protanomaly

36.3574, 32.8587, 25.5452

Deuteranomaly

38.3396, 33.1129, 20.5904

Tritanomaly

47.7098, 33.7994, 22.7482

Monochromacy



Original Color

47.5828, 33.9380, 21.4956

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.7667, 32.4469, 30.3644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5828, 33.9380, 21.4956 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, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(245, 119, 119)  
}
```

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, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 47.5828, 33.9380, 21.4956 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, 119, 119) }
```


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

```
.border{ border-color:rgb(245, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 119, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 119, 119); box-shadow:4px 4px 4px 4px rgb(245, 119, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5828, 33.9380, 21.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 119, 119) }
```

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

```
.background{ background-color: rgb(245,  
119, 119) }
```

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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