

Converting Colors

XYZ(45.6176, 31.9253, 19.9775)

Have a look what the booklet for
XYZ(45.6176, 31.9253, 19.9775)
contains.

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Color

**XYZ(45.6176, 31.9253,
19.9775)**

Conversions

Conversions Part 1

Format	Color
Hex	F27173
RGB	242, 113, 115
RGB Percent	95%, 44%, 45%
CMY	0.0510, 0.5568, 0.5490
CMYK	0.00, 0.53, 0.52, 0.05
HSL	359°, 83%, 70%
HSV	359°, 53%, 95%
XYZ	45.6176, 31.9253, 19.9775
YIQ	151.7990, 76.2420, 27.9700

Conversions

Conversions Part 2

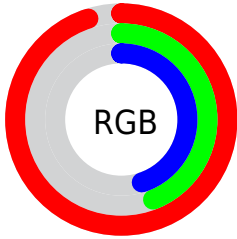
Format	Color
R _Y B	242, 113, 115
Decimal	15888755
CIE Lab	63.28, 49.74, 23.04
CIE LCh	63, 54.822, 24.857
Yxy	31.9253, 0.4678, 0.3274
Android (android.graphics.Color)	4294078835 (0xFFFF27173)
YUV	151.7990, -18.1419, 79.1063
Hunter-Lab	56.5025, 45.2337, 18.5887

Details

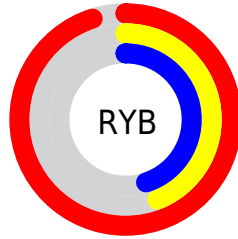
The XYZ color **45.6176, 31.9253, 19.9775** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **54.2923, 73.3070, 93.7314**, and the grayscale version is **29.8121, 31.3647, 34.1561**.

A 20% lighter version of the original color is **62.2177, 52.0553, 43.3277**, and **21.6331, 13.3569, 6.7481** is the 20% darker color. If you saturate the color by 10%, you get **42.0701, 26.7484, 12.8827**, and if you desaturate by 10%, it is **50.2406, 38.6867, 29.1791**.

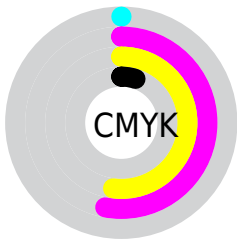
Distribution



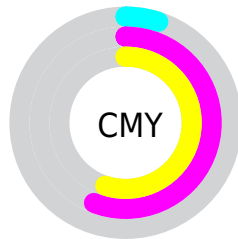
- Red (95%)
- Green (44%)
- Blue (45%)



- Red (95%)
- Yellow (44%)
- Blue (45%)



- Cyan (0%)
- Magenta (53%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6176, 31.9253, 19.9775 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 45.6176, 31.9253, 19.9775 by changing the saturation by 10% instead.


 45.6176, 31.9253,
19.9775


 45.6176, 31.9253,
19.9775


360.0109,
310.7788, 264.3935

 32.1475, 21.3044,
12.1948


 82.8778, 62.6940,
44.2379

 21.6303, 13.3467,
6.7523


 107.3986, 83.6106,
61.5527

 13.7006, 7.6677,
3.2316


 136.3337,
108.7279, 82.8819

 7.9930, 3.8831,
1.2141

170.0484,
138.4303, 108.6441

 4.1422, 1.6084,
0.0000

208.9082,
173.1022, 139.2579

 1.7829, 0.3632,
0.0000

253.2782,

 0.5073, 0.0000,

213.1280, 175.1416

0.0000

303.5240,
258.8921, 216.7140

0.0000, 0.0000,
0.0000

45.6176, 31.9253,
19.9775

45.6176, 31.9253,
19.9775

42.0701, 26.7484,
12.8827

50.2406, 38.6867,
29.1791

39.5093, 23.0224,
7.7266

56.0139, 47.1416,
40.6345

37.8361, 20.6007,
4.3182

63.0082, 57.3955,
54.4793

36.9298, 19.3034,
2.4272

71.2879, 69.5438,
70.8382

36.6383, 18.8854,
1.8216

80.9130, 83.6752,
89.8271

90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



47.3370, 31.9253, 38.6470



45.6176, 31.9253, 19.9775



39.5506, 31.9253, 10.5507

Triad

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



45.6176, 31.9253, 19.9775



19.9002, 31.9253, 15.8164



29.0536, 31.9253, 95.2728

Complementary

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



45.6176, 31.9253, 19.9775



54.2923, 73.3070, 93.7314

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.



22.6901, 31.9253, 81.4046



45.6176, 31.9253, 19.9775



17.9991, 31.9253, 31.1451

Square

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



45.6176, 31.9253, 19.9775



24.6099, 31.9253, 8.9464



18.9283, 31.9253, 55.4730



36.9062, 31.9253, 88.1971

Rectangle

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



45.6176, 31.9253, 19.9775



34.3212, 31.9253, 8.0016



18.9283, 31.9253, 55.4730



26.6867, 31.9253, 92.7804

Sweetspot

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



45.6184, 31.9270, 19.9781



77.5812, 74.3520, 74.4382



57.8172, 36.7218, 88.0449



16.1856, 15.2982, 15.1033



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.



45.6184, 31.9270, 19.9781



47.0847, 29.6936, 13.9153



54.9979, 50.8675, 22.5448



15.7827, 15.7628, 16.4120



19.6870, 10.1472, 1.0024



1.6412, 0.8455, 0.1016

Inverse Universe

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



45.6184, 31.9270, 19.9781



47.0847, 29.6936, 13.9153



39.0894, 42.4248, 90.1327



15.7827, 15.7628, 16.4120



19.6870, 10.1472, 1.0024



1.6412, 0.8455, 0.1016

Previews

White Background



This preview shows how the XYZ color 45.6176, 31.9253, 19.9775 looks on a white background.

Color Contrast Check

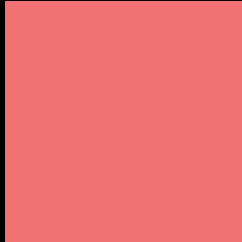
Large Text (above 18pt) WCAG AA × Fail

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 45.6176, 31.9253, 19.9775 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 45.6176, 31.9253, 19.9775

Background



This preview shows how black text looks on a background with the XYZ color 45.6176, 31.9253, 19.9775.



This preview shows how white text looks on a background with the XYZ color 45.6176, 31.9253,

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

45.6176, 31.9253, 19.9775

Protanopia

30.3923, 32.0808, 27.1446

Deuteranopia

32.7225, 32.0388, 18.9275



Tritanopia

45.8023, 31.8217, 21.4974

Trichromacy



Original Color

45.6176, 31.9253, 19.9775

Protanomaly

34.1544, 30.6564, 24.1958

Deuteranomaly

36.4351, 31.3130, 19.1626

Tritanomaly

45.6821, 31.7736, 20.8647

Monochromacy



Original Color

45.6176, 31.9253, 19.9775

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.7563, 30.3553, 28.5061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6176, 31.9253, 19.9775 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(242, 113, 115)` looks like.

```
.text, #text, p{  
    color:rgb(242, 113, 115)  
}
```

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(242, 113, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 113, 115) }
```

Border

The CSS property to change the border of an element to XYZ 45.6176, 31.9253, 19.9775 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(242, 113, 115) }
```


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

```
.border{ border-color:rgb(242, 113, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 113, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 113, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 113, 115);  
box-shadow:4px 4px 4px 4px rgb(242, 113,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6176, 31.9253, 19.9775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 113, 115) }
```

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

```
.background{ background-color: rgb(242,  
113, 115) }
```

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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