

Converting Colors

XYZ(45.2975, 31.0989, 20.4449)

Have a look what the booklet for
XYZ(45.2975, 31.0989, 20.4449)
contains.

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Color

**XYZ(45.2975, 31.0989,
20.4449)**

Conversions

Conversions Part 1

Format	Color
Hex	F26D75
RGB	242, 109, 117
RGB Percent	95%, 43%, 46%
CMY	0.0510, 0.5725, 0.5412
CMYK	0.00, 0.55, 0.52, 0.05
HSL	356°, 84%, 69%
HSV	356°, 55%, 95%
XYZ	45.2975, 31.0989, 20.4449
YIQ	149.6790, 76.7000, 30.6840

Conversions

Conversions Part 2

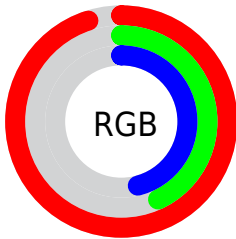
Format	Color
R _Y B	242, 109, 117
Decimal	15887733
CIE Lab	62.59, 51.80, 20.98
CIE LCh	63, 55.886, 22.045
Yxy	31.0989, 0.4677, 0.3211
Android (android.graphics.Color)	4294077813 (0xFFFF26D75)
YUV	149.6790, -16.1107, 80.9655
Hunter-Lab	55.7664, 47.3995, 17.2998

Details

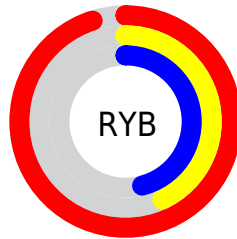
The XYZ color **45.2975, 31.0989, 20.4449** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **52.9120, 72.6967, 89.0901**, and the grayscale version is **28.8978, 30.4028, 33.1086**.

A 20% lighter version of the original color is **61.6769, 50.6755, 44.0667**, and **21.4494, 12.8918, 6.9881** is the 20% darker color. If you saturate the color by 10%, you get **41.8831, 26.1568, 13.4911**, and if you desaturate by 10%, it is **49.7488, 37.5953, 29.3476**.

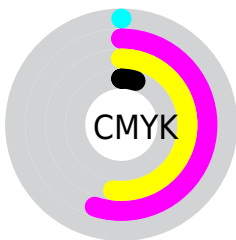
Distribution



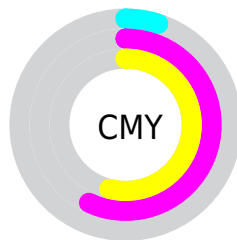
- Red (95%)
- Green (43%)
- Blue (46%)



- Red (95%)
- Yellow (43%)
- Blue (46%)



- Cyan (0%)
- Magenta (55%)
- Yellow (52%)
- Black (5%)




- Cyan (5%)
- Magenta (57%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2975, 31.0989, 20.4449 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 45.2975, 31.0989, 20.4449 by changing the saturation by 10% instead.


 45.2975, 31.0989,
20.4449


 45.2975, 31.0989,
20.4449


358.7406,
306.9937, 266.9970

 31.8941, 20.6742,
12.5316


 82.4010, 61.3957,
45.0306


 21.4358, 12.8860,
6.9799


 106.8318, 82.0367,
62.5400

 13.5572, 7.3501,
3.3713


 135.6691,
106.8517, 84.0852

 7.8930, 3.6820,
1.2872

 169.2782,
136.2254, 110.0848

 4.0778, 1.4973,
0.0513

208.0246,
170.5420, 140.9572

 1.7462, 0.2868,
0.0000

252.2735,

 0.4849, 0.0000,

210.1860, 177.1210

0.0000

302.3904,
255.5418, 218.9948

■ 0.0000, 0.0000,
0.0000

■ 45.2975, 31.0989,
20.4449

■ 45.2975, 31.0989,
20.4449

■ 41.8831, 26.1568,
13.4911

■ 49.7488, 37.5953,
29.3476

■ 39.4195, 22.6345,
8.3387

■ 55.3094, 45.7556,
40.3288

■ 37.8105, 20.3836,
4.8213

■ 62.0477, 55.6856,
53.5087

■ 36.9385, 19.2199,
2.7413

■ 70.0260, 67.4806,
68.9979

■ 36.7008, 18.9104,
2.1508

■ 79.3023, 81.2294,
86.8997

89.9309, 97.0149,
107.3109

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.



46.5432, 31.0989, 39.9974



45.2975, 31.0989, 20.4449



39.5001, 31.0989, 10.4046

Triad

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



45.2975, 31.0989, 20.4449



19.4590, 31.0989, 14.0767



27.5797, 31.0989, 94.6120

Complementary

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



45.2975, 31.0989, 20.4449



52.9120, 72.6967, 89.0901

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.



21.4430, 31.0989, 78.8046



45.2975, 31.0989, 20.4449



17.3084, 31.0989, 28.3874

Square

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



45.2975, 31.0989, 20.4449



24.4008, 31.0989, 7.9812



17.9666, 31.0989, 52.1464



35.3963, 31.0989, 89.4330

Rectangle

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



45.2975, 31.0989, 20.4449



34.3017, 31.0989, 7.5974



17.9666, 31.0989, 52.1464



25.2742, 31.0989, 91.4009

Sweetspot

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



45.2983, 31.1006, 20.4454



77.8164, 74.4461, 75.6768



55.1444, 34.6959, 87.7947



16.2407, 15.3202, 15.3933



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.



45.2983, 31.1006, 20.4454



46.7730, 28.8875, 14.3747



53.1310, 47.4864, 20.8358



15.8113, 15.7742, 16.5626



19.7321, 10.1653, 1.2397



1.6550, 0.8510, 0.1739

Inverse Universe

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



45.2983, 31.1006, 20.4454



46.7730, 28.8875, 14.3747



39.5521, 44.0974, 90.4312



15.8113, 15.7742, 16.5626



19.7321, 10.1653, 1.2397



1.6550, 0.8510, 0.1739

Previews

White Background



This preview shows how the XYZ color 45.2975, 31.0989, 20.4449 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 45.2975, 31.0989, 20.4449 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 45.2975, 31.0989, 20.4449

Background



This preview shows how black text looks on a background with the XYZ color 45.2975, 31.0989, 20.4449.



This preview shows how white text looks on a background with the XYZ color 45.2975, 31.0989,

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

45.2975, 31.0989, 20.4449

Protanopia

29.6825, 31.2085, 28.1263

Deuteranopia

31.8170, 31.1018, 19.3652



Tritanopia

45.2975, 31.0989, 20.4449

Trichromacy



Original Color

45.2975, 31.0989, 20.4449

Protanomaly

33.8197, 30.0388, 25.1347

Deuteranomaly

35.8605, 30.3913, 19.5988

Tritanomaly

45.2975, 31.0989, 20.4449

Monochromacy



Original Color

45.2975, 31.0989, 20.4449

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.7799, 29.2302, 27.9591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2975, 31.0989, 20.4449 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, 109, 117)` looks like.

```
.text, #text, p{  
    color:rgb(242, 109, 117)  
}
```

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, 109, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 109, 117) }
```

Border

The CSS property to change the border of an element to XYZ 45.2975, 31.0989, 20.4449 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, 109, 117) }
```


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

```
.border{ border-color:rgb(242, 109, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 109, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 109, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 109, 117);  
box-shadow:4px 4px 4px 4px rgb(242, 109,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2975, 31.0989, 20.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 109, 117) }
```

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

```
.background{ background-color: rgb(242,  
109, 117) }
```

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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