

Converting Colors

XYZ(45.9219, 29.8513, 24.6470)

Have a look what the booklet for
XYZ(45.9219, 29.8513, 24.6470)
contains.

XYZ(45.8668, 29.7955, 24.8064)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.8668, 29.7955,
24.8064)**

Conversions

Conversions Part 1

Format	Color
Hex	F46383
RGB	244, 99, 131
RGB Percent	96%, 39%, 51%
CMY	0.0431, 0.6117, 0.4863
CMYK	0.00, 0.59, 0.46, 0.04
HSL	347°, 87%, 67%
HSV	347°, 59%, 96%
XYZ	45.8668, 29.7955, 24.8064
YIQ	146.0030, 76.1480, 40.6920

Conversions

Conversions Part 2

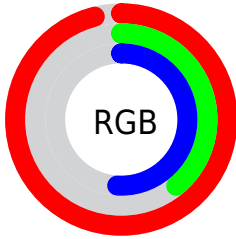
Format	Color
R_{YB}	244, 99, 131
Decimal	16016259
CIE _{Lab}	61.48, 58.23, 11.43
CIE _{LCh}	61, 59.341, 11.106
Yxy	29.7955, 0.4565, 0.2966
Android (android.graphics.Color)	4294206339 (0xFFFF46383)
YUV	146.0030, -7.3965, 85.9434
Hunter-Lab	54.5853, 54.4655, 11.2652

Details

The XYZ color **45.8668, 29.7955, 24.8064** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.3818, 72.1082, 73.6081**, and the grayscale version is **27.3316, 28.7549, 31.3141**.

A 20% lighter version of the original color is **61.6131, 48.1634, 51.3965**, and **21.8102, 12.1941, 9.1868** is the 20% darker color. If you saturate the color by 10%, you get **42.7215, 25.3818, 17.9722**, and if you desaturate by 10%, it is **49.9483, 35.7031, 33.1201**.

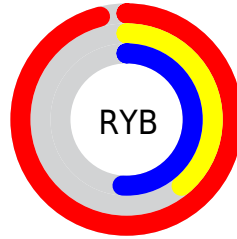
Distribution



Red (96%)

Green (39%)

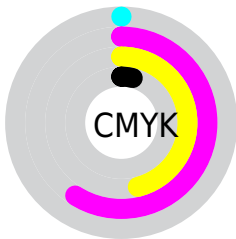
Blue (51%)



Red (96%)

Yellow (39%)

Blue (51%)

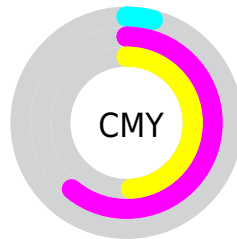


Cyan (0%)

Magenta (59%)

Yellow (46%)

Black (4%)



Cyan (4%)


Magenta (61%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8668, 29.7955, 24.8064 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 45.8668, 29.7955, 24.8064 by changing the saturation by 10% instead.


 45.8668, 29.7955,
24.8064


 45.8668, 29.7955,
24.8064

360.9978,
300.9501, 290.2892

 32.3449, 19.6834,
15.7152


 83.2487, 59.3386,
52.3032


 21.7819, 12.1651,
9.1707


 107.8394, 79.5385,
71.5458

 13.8124, 6.8562,
4.7543


 136.8504,
103.8697, 95.0094

 8.0712, 3.3724,
2.0476

 170.6472,
132.7166, 123.1123

 4.1927, 1.3291,
0.5843

209.5949,
166.4638, 156.2732

 1.8117, 0.1636,
0.0000

254.0590,

 0.5247, 0.0000,

205.4954, 194.9107

0.0000

304.4049,
250.1961, 239.4431

■ 0.0000, 0.0000,
0.0000

■ 45.8668, 29.7955,
24.8064

■ 45.8668, 29.7955,
24.8064

■ 42.7215, 25.3818,
17.9722

■ 49.9483, 35.7031,
33.1201

■ 40.4320, 22.3219,
12.5261

■ 55.0326, 43.2187,
42.9939

■ 38.9077, 20.4572,
8.3681

■ 61.1828, 52.4506,
54.5041

■ 38.0115, 19.5388,
5.3743

■ 68.4561, 63.4963,
67.7214

■ 37.9702, 19.4979,
5.2323

■ 76.9055, 76.4460,
82.7124

86.5806, 91.3839,
99.5400

91.1181, 97.9730,
108.7160

Harmonies

Analogous

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



45.1388, 29.7955, 48.5534



45.8668, 29.7955, 24.8064



41.2860, 29.7955, 11.5106

Triad

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



45.8668, 29.7955, 24.8064



19.5088, 29.7955, 9.5524



23.7070, 29.7955, 92.9495

Complementary

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



45.8668, 29.7955, 24.8064



49.3818, 72.1082, 73.6081

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.



18.3995, 29.7955, 69.9777



45.8668, 29.7955, 24.8064



16.3032, 29.7955, 20.3591

Square

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



45.8668, 29.7955, 24.8064



25.5102, 29.7955, 5.8230



15.9387, 29.7955, 41.5033



31.3283, 29.7955, 96.0494

Rectangle

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



45.8668, 29.7955, 24.8064



36.2586, 29.7955, 7.4026



15.9387, 29.7955, 41.5033



21.6335, 29.7955, 86.9266

Sweetspot

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



45.8676, 29.7971, 24.8069



76.8812, 72.0365, 77.0275



47.4181, 29.1834, 88.7214



15.9144, 14.5928, 15.5154



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.



45.8676, 29.7971, 24.8069



46.7169, 27.3635, 18.7087



48.6023, 38.2173, 16.6217



16.6488, 16.5424, 17.8972



20.6877, 10.6185, 3.0638



1.8552, 0.9481, 0.4640

Inverse Universe

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



45.8676, 29.7971, 24.8069



46.7169, 27.3635, 18.7087



43.3873, 53.0081, 93.5325



16.6488, 16.5424, 17.8972



20.6877, 10.6185, 3.0638



1.8552, 0.9481, 0.4640

Previews

White Background



This preview shows how the XYZ color 45.8668, 29.7955, 24.8064 looks on a white background.

Color Contrast Check

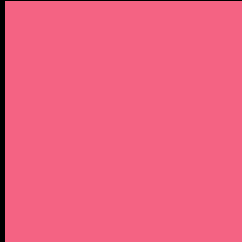
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.8668, 29.7955, 24.8064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

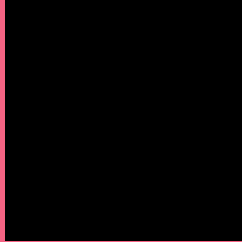
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8668, 29.7955, 24.8064

Background



This preview shows how black text looks on a background with the XYZ color 45.8668, 29.7955, 24.8064.

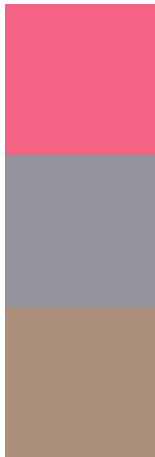


This preview shows how white text looks on a background with the XYZ color 45.8668, 29.7955,

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

45.8668, 29.7955, 24.8064

Protanopia

29.1559, 30.0380, 36.6090

Deuteranopia

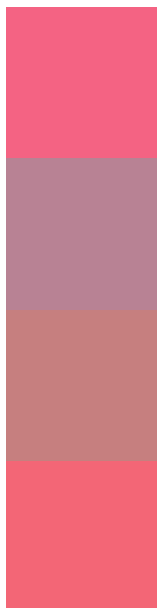
30.4738, 29.8708, 23.2283



Tritanopia

44.6269, 29.8810, 18.1674

Trichromacy



Original Color

45.8668, 29.7955, 24.8064

Protanomaly

33.0951, 28.2937, 31.7339

Deuteranomaly

34.7088, 28.7168, 23.7922

Tritanomaly

44.9835, 29.8654, 20.5333

Monochromacy



Original Color

45.8668, 29.7955, 24.8064

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.9494, 27.5687, 28.8367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8668, 29.7955, 24.8064 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(244, 99, 131)` looks like.

```
.text, #text, p{  
    color:rgb(244, 99, 131)  
}
```

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(244, 99, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 99, 131) }
```

Border

The CSS property to change the border of an element to XYZ 45.8668, 29.7955, 24.8064 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(244, 99, 131) }
```


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

```
.border{ border-color:rgb(244, 99, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 99, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 99, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 99, 131);  
box-shadow:4px 4px 4px 4px rgb(244, 99,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8668, 29.7955, 24.8064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 99, 131) }
```

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

```
.background{ background-color: rgb(244, 99,  
131) }
```

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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