

Converting Colors

XYZ(53.6185, 32.3530, 18.9840)

Have a look what the booklet for
XYZ(53.6185, 32.3530, 18.9840)
contains.

XYZ(47.6288, 29.2686, 18.7619)	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(47.6288, 29.2686,
18.7619)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5771
RGB	255, 87, 113
RGB Percent	100%, 34%, 44%
CMY	0.0000, 0.6588, 0.5569
CMYK	0.00, 0.66, 0.56, 0.00
HSL	351°, 100%, 67%
HSV	351°, 66%, 100%
XYZ	47.6288, 29.2686, 18.7619
YIQ	140.1960, 91.7820, 43.7020

Conversions

Conversions Part 2

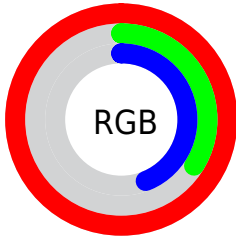
Format	Color
RYB	255, 87, 113
Decimal	16734065
CIELab	61.02, 65.17, 21.50
CIElCh	61, 68.623, 18.255
Yxy	29.2686, 0.4979, 0.3060
Android (android.graphics.Color)	4294924145 (0xFFFF5771)
YUV	140.1960, -13.4076, 100.6831
Hunter-Lab	54.1005, 62.4715, 17.3087

Details

The XYZ color **47.6288, 29.2686, 18.7619** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted rose. A complement of this color would be **53.8354, 79.2040, 86.5859**, and the grayscale version is **25.0304, 26.3339, 28.6777**.

A 20% lighter version of the original color is **58.1569, 44.2274, 41.0688**, and **22.8655, 11.8877, 6.2437** is the 20% darker color. If you saturate the color by 10%, you get **44.8436, 25.4152, 12.5408**, and if you desaturate by 10%, it is **51.4324, 34.6980, 26.7445**.

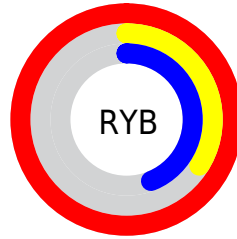
Distribution



Red (100%)

Green (34%)

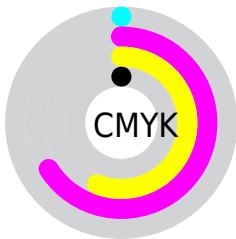
Blue (44%)



Red (100%)

Yellow (34%)

Blue (44%)

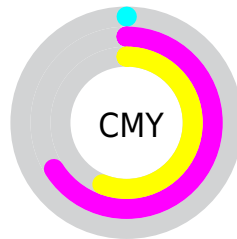


Cyan (0%)

Magenta (66%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6288, 29.2686, 18.7619 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 47.6288, 29.2686, 18.7619 by changing the saturation by 10% instead.


 47.6288, 29.2686,
18.7619

 47.6288, 29.2686,
18.7619


367.9260,
298.4802, 257.5099

 33.7430, 19.2841,
11.3233


 85.8645, 58.5036,
42.1627


 22.8582, 11.8757,
6.1678


 110.9452, 78.5228,
58.9620

 14.6090, 6.6591,
2.8770


 140.4882,
102.6558, 79.7186

 8.6299, 3.2498,
1.0322

 174.8589,
131.2869, 104.8510

 4.5558, 1.2635,
0.0000

214.4227,
164.8005, 134.7778

 2.0211, 0.1127,
0.0000

259.5449,

 0.6458, 0.0000,

203.5810, 169.9175

0.0000

310.5909,
248.0127, 210.6887

■ 0.0000, 0.0000,
0.0000

■ 47.6288, 29.2686,
18.7619

■ 47.6288, 29.2686,
18.7619

■ 44.8436, 25.4152,
12.5408

■ 51.4324, 34.6980,
26.7445

■ 42.9731, 22.9631,
7.9438

■ 56.3399, 41.8439,
36.6087


■ 41.8944, 21.7044,
4.8141

■ 62.4301, 50.8368,
48.4654

■ 41.6135, 21.4094,
3.8981

■ 69.7739, 61.7932,
62.4165

■ 78.4368, 74.8201,
78.5568

 88.4794, 90.0166,
96.9754

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



48.3582, 29.2686, 43.0204



47.6288, 29.2686, 18.7619



40.9586, 29.2686, 7.3919

Triad

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



47.6288, 29.2686, 18.7619



16.8304, 29.2686, 8.9933



24.4530, 29.2686, 108.8437

Complementary

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



47.6288, 29.2686, 18.7619



53.8354, 79.2040, 86.5859

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.



17.8410, 29.2686, 84.7728



47.6288, 29.2686, 18.7619



14.1163, 29.2686, 22.8325

Square

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



47.6288, 29.2686, 18.7619



22.7572, 29.2686, 4.2083



14.4414, 29.2686, 49.9860



33.5805, 29.2686, 105.5831

Rectangle

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



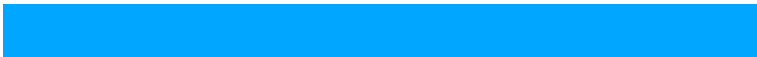
47.6288, 29.2686, 18.7619



34.7121, 29.2686, 4.4808



14.4414, 29.2686, 49.9860



21.9047, 29.2686, 103.3128

Sweetspot

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



47.6295, 29.2703, 18.7624



74.7027, 69.1937, 71.6334



53.1379, 30.3692, 97.6684



15.4727, 14.0335, 14.3687



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.



47.6295, 29.2703, 18.7624



44.1668, 24.5080, 10.9382



52.7840, 41.5951, 14.2657



18.1239, 18.0329, 19.2697



21.7779, 11.2005, 2.2150



2.1522, 1.1032, 0.3827

Inverse Universe

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



47.6295, 29.2703, 18.7624



44.1668, 24.5080, 10.9382



42.4055, 50.0950, 102.0416



18.1239, 18.0329, 19.2697



21.7779, 11.2005, 2.2150



2.1522, 1.1032, 0.3827

Previews

White Background



This preview shows how the XYZ color 47.6288, 29.2686, 18.7619 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 47.6288, 29.2686, 18.7619 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 47.6288, 29.2686, 18.7619

Background



This preview shows how black text looks on a background with the XYZ color 47.6288, 29.2686, 18.7619.



This preview shows how white text looks on a background with the XYZ color 47.6288, 29.2686,

18.7619.

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

47.6288, 29.2686, 18.7619

Protanopia

28.2651, 29.4958, 29.7947

Deuteranopia

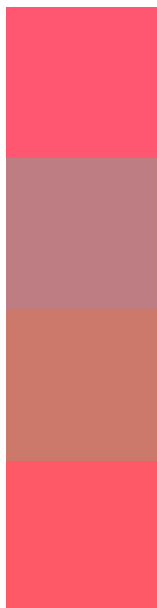
29.7539, 29.1836, 17.4294



Tritanopia

46.5948, 29.2094, 14.0086

Trichromacy



Original Color

47.6288, 29.2686, 18.7619

Protanomaly

32.4166, 27.1247, 24.9998

Deuteranomaly

34.4460, 27.5948, 17.6982

Tritanomaly

46.8437, 29.1749, 15.7328

Monochromacy



Original Color

47.6288, 29.2686, 18.7619

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

30.1580, 25.2315, 24.3998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6288, 29.2686, 18.7619 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(255, 87, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 113)  
}
```

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(255, 87, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 113) }
```

Border

The CSS property to change the border of an element to XYZ 47.6288, 29.2686, 18.7619 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(255, 87, 113) }
```


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

```
.border{ border-color:rgb(255, 87, 113) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6288, 29.2686, 18.7619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 113) }
```

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

```
.background{ background-color: rgb(255, 87,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor