

Converting Colors

XYZ(47.7202, 29.1765, 19.6395)

Have a look what the booklet for
XYZ(47.7202, 29.1765, 19.6395)
contains.

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Color

**XYZ(47.7202, 29.1765,
19.6395)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5674
RGB	255, 86, 116
RGB Percent	100%, 34%, 45%
CMY	0.0000, 0.6627, 0.5451
CMYK	0.00, 0.66, 0.55, 0.00
HSL	349°, 100%, 67%
HSV	349°, 66%, 100%
XYZ	47.7202, 29.1765, 19.6395
YIQ	139.9510, 91.0940, 45.1580

Conversions

Conversions Part 2

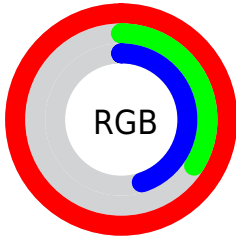
Format	Color
R _Y B	255, 86, 116
Decimal	16733812
CIE Lab	60.94, 65.77, 19.65
CIE LCh	61, 68.644, 16.632
Yxy	29.1765, 0.4943, 0.3022
Android (android.graphics.Color)	4294923892 (0xFFFF5674)
YUV	139.9510, -11.8078, 100.8980
Hunter-Lab	54.0153, 63.1704, 16.2533

Details

The XYZ color **47.7202, 29.1765, 19.6395** is a light color, and the websafe version is hex **FF3366**. The color can be described as light muted rose. A complement of this color would be **53.1905, 78.9355, 83.6735**, and the grayscale version is **24.9293, 26.2276, 28.5618**.

A 20% lighter version of the original color is **58.2811, 44.0337, 42.4734**, and **22.8684, 11.7975, 6.5407** is the 20% darker color. If you saturate the color by 10%, you get **44.9494, 25.3721, 13.3609**, and if you desaturate by 10%, it is **51.4937, 34.5459, 27.6116**.

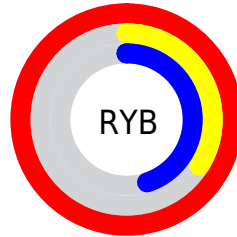
Distribution



Red (100%)

Green (34%)

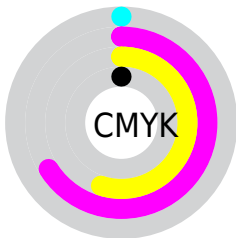
Blue (45%)



Red (100%)

Yellow (34%)

Blue (45%)

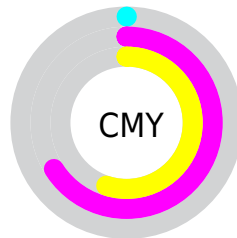


Cyan (0%)

Magenta (66%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7202, 29.1765, 19.6395 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 47.7202, 29.1765, 19.6395 by changing the saturation by 10% instead.


 47.7202, 29.1765,
19.6395


 47.7202, 29.1765,
19.6395


368.2831,
298.0468, 262.4961

 33.8157, 19.2144,
11.9518


 85.9999, 58.3574,
43.6629


 22.9143, 11.8253,
6.5887


 111.1058, 78.3450,
60.8358

 14.6506, 6.6248,
3.1317


 140.6762,
102.4431, 82.0074

 8.6592, 3.2286,
1.1623

 175.0764,
131.0363, 107.5963

 4.5749, 1.2522,
0.0000

214.6719,
164.5088, 138.0211

 2.0322, 0.1037,
0.0000

259.8279,

 0.6520, 0.0000,

203.2452, 173.7003

0.0000

310.9098,
247.6297, 215.0525

■ 0.0000, 0.0000,
0.0000

■ 47.7202, 29.1765,
19.6395

■ 47.7202, 29.1765,
19.6395

■ 44.9494, 25.3721,
13.3609

■ 51.4937, 34.5459,
27.6116

■ 43.0790, 22.9577,
8.6485

■ 56.3542, 41.6211,
37.3885

■ 41.9875, 21.7241,
5.3577

■ 62.3793, 50.5324,
49.0736

■ 41.7184, 21.4514,
4.4501

■ 69.6388, 61.3962,
62.7619

■ 78.1969, 74.3192,
78.5418

88.1135, 89.4006,
96.4966

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



48.0858, 29.1765, 44.5890



47.7202, 29.1765, 19.6395



41.3167, 29.1765, 7.7118

Triad

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



47.7202, 29.1765, 19.6395



17.0020, 29.1765, 8.5111



23.9376, 29.1765, 107.9613

Complementary

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



47.7202, 29.1765, 19.6395



53.1905, 78.9355, 83.6735

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.



17.5076, 29.1765, 82.7994



47.7202, 29.1765, 19.6395



14.1249, 29.1765, 21.6758

Square

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



47.7202, 29.1765, 19.6395



23.0886, 29.1765, 4.0713



14.2875, 29.1765, 48.0788



32.9582, 29.1765, 106.3257

Rectangle

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



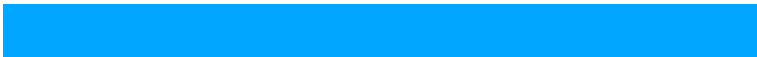
47.7202, 29.1765, 19.6395



35.1376, 29.1765, 4.5960



14.2875, 29.1765, 48.0788



21.4467, 29.1765, 101.9531

Sweetspot

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



47.7209, 29.1781, 19.6400



74.8496, 69.2524, 72.4067



52.1247, 29.7274, 97.5982



15.5072, 14.0473, 14.5506



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.



47.7209, 29.1781, 19.6400



44.1525, 24.3191, 11.4275



52.2286, 40.5492, 13.8803



18.1410, 18.0397, 19.3594



21.8367, 11.2240, 2.5244



2.1604, 1.1065, 0.4259

Inverse Universe

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



47.7209, 29.1781, 19.6400



44.1525, 24.3191, 11.4275



42.8889, 51.1993, 102.2294



18.1410, 18.0397, 19.3594



21.8367, 11.2240, 2.5244



2.1604, 1.1065, 0.4259

Previews

White Background



This preview shows how the XYZ color 47.7202, 29.1765, 19.6395 looks on a white background.

Color Contrast Check

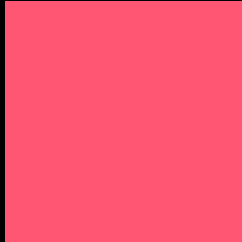
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.7202, 29.1765, 19.6395 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 47.7202, 29.1765, 19.6395

Background



This preview shows how black text looks on a background with the XYZ color 47.7202, 29.1765, 19.6395.

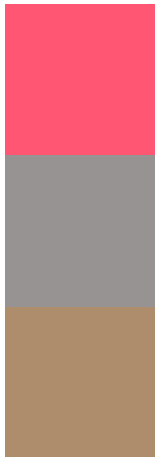


This preview shows how white text looks on a background with the XYZ color 47.7202, 29.1765,

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

47.7202, 29.1765, 19.6395

Protanopia

28.1997, 29.4268, 31.3878

Deuteranopia

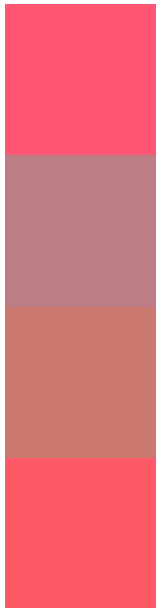
29.6872, 29.1311, 18.2455



Tritanopia

46.5948, 29.2094, 14.0086

Trichromacy



Original Color

47.7202, 29.1765, 19.6395

Protanomaly

32.4458, 27.1079, 26.4439

Deuteranomaly

34.3352, 27.5190, 18.5410

Tritanomaly

46.8936, 29.1949, 15.9956

Monochromacy



Original Color

47.7202, 29.1765, 19.6395

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

30.1046, 25.0167, 24.7148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7202, 29.1765, 19.6395 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, 86, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 116)  
}
```

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, 86, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 116) }
```

Border

The CSS property to change the border of an element to XYZ 47.7202, 29.1765, 19.6395 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, 86, 116) }
```


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

```
.border{ border-color:rgb(255, 86, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 86, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7202, 29.1765, 19.6395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 116) }
```

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

```
.background{ background-color: rgb(255, 86,  
116) }
```

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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