

Converting Colors

XYZ(47.5397, 29.3312, 13.9840)

Have a look what the booklet for
XYZ(47.5397, 29.3312, 13.9840)
contains.

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Color

**XYZ(46.7138, 28.9026,
13.9431)**

Conversions

Conversions Part 1

Format	Color
Hex	FF575F
RGB	255, 87, 95
RGB Percent	100%, 34%, 37%
CMY	0.0000, 0.6588, 0.6274
CMYK	0.00, 0.66, 0.63, 0.00
HSL	357°, 100%, 67%
HSV	357°, 66%, 100%
XYZ	46.7138, 28.9026, 13.9431
YIQ	138.1440, 97.5600, 38.1040

Conversions

Conversions Part 2

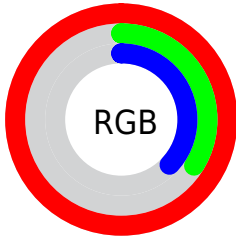
Format	Color
R_{YB}	255, 87, 95
Decimal	16734047
CIE _{Lab}	60.70, 64.00, 31.43
CIE _{LCh}	61, 71.298, 26.152
Yxy	28.9026, 0.5216, 0.3227
Android (android.graphics.Color)	4294924127 (0xFFFF575F)
YUV	138.1440, -21.2700, 102.4827
Hunter-Lab	53.7611, 61.0191, 22.2558

Details

The XYZ color **46.7138, 28.9026, 13.9431** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **56.4813, 80.2625, 100.5187**, and the grayscale version is **24.2664, 25.5302, 27.8024**.

A 20% lighter version of the original color is **56.4762, 43.5551, 32.2184**, and **22.2111, 11.6398, 3.9818** is the 20% darker color. If you saturate the color by 10%, you get **44.0641, 25.1034, 8.4361**, and if you desaturate by 10%, it is **50.4376, 34.3001, 21.5057**.

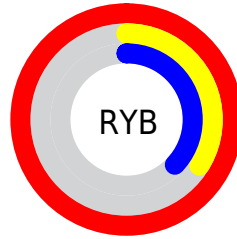
Distribution



Red (100%)

Green (34%)

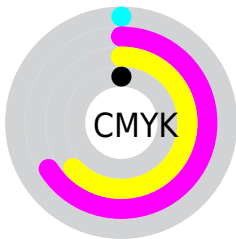
Blue (37%)



Red (100%)

Yellow (34%)

Blue (37%)

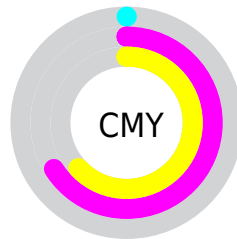


Cyan (0%)

Magenta (66%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7138, 28.9026, 13.9431 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 46.7138, 28.9026, 13.9431 by changing the saturation by 10% instead.


 46.7138, 28.9026,
13.9431


 46.7138, 28.9026,
13.9431


364.3390,
296.7551, 228.2927

 33.0165, 19.0072,
7.9428


 84.5076, 57.9223,
33.7037


 22.2983, 11.6754,
3.9711


 109.3348, 77.8153,
48.3011

 14.1941, 6.5231,
1.6095


 138.6026,
101.8097, 66.6013

 8.3384, 3.1657,
0.2976

 172.6764,
130.2898, 89.0227

 4.3659, 1.2188,
0.0000

211.9216,
163.6400, 115.9841

 1.9111, 0.0770,
0.0000

256.7036,

 0.5833, 0.0000,

202.2447, 147.9038

0.0000

307.3876,
246.4882, 185.2005

■ 0.0000, 0.0000,
0.0000

■ 46.7138, 28.9026,
13.9431

■ 46.7138, 28.9026,
13.9431

■ 44.0641, 25.1034,
8.4361

■ 50.4376, 34.3001,
21.5057

■ 42.3726, 22.7230,
4.7817

■ 55.3314, 41.4405,
31.2980

■ 41.5001, 21.5467,
2.7377

■ 61.4829, 50.4579,
43.4772

■ 41.3070, 21.2868,
2.2836

■ 68.9706, 61.4720,
58.1859

■ 77.8669, 74.5922,
75.5555

88.2388, 89.9205,
95.7082

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.



49.2953, 28.9026, 35.0110



46.7138, 28.9026, 13.9431



38.6080, 28.9026, 5.2988

Triad

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



46.7138, 28.9026, 13.9431



15.1954, 28.9026, 10.7795



26.2955, 28.9026, 114.4826

Complementary

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



46.7138, 28.9026, 13.9431



56.4813, 80.2625, 100.5187

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.



18.7126, 28.9026, 95.5050



46.7138, 28.9026, 13.9431



13.2792, 28.9026, 28.1763

Square

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



46.7138, 28.9026, 13.9431



20.3580, 28.9026, 4.3240



14.4058, 28.9026, 59.6611



36.0736, 28.9026, 102.8455

Rectangle

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



46.7138, 28.9026, 13.9431



31.9486, 28.9026, 3.4045



14.4058, 28.9026, 59.6611



23.4327, 28.9026, 111.2847

Sweetspot

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



46.7145, 28.9043, 13.9436



74.0252, 68.9227, 68.0659



59.6759, 33.7396, 97.9745



15.3139, 13.9700, 13.5328



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.



46.7145, 28.9043, 13.9436



43.4392, 24.2170, 7.1068



55.9879, 48.0028, 15.3337



18.0444, 18.0011, 18.8509



21.5986, 11.1287, 1.2709



2.1147, 1.0883, 0.1857

Inverse Universe

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



46.7145, 28.9043, 13.9436



43.4392, 24.2170, 7.1068



38.1827, 41.6493, 100.6341



18.0444, 18.0011, 18.8509



21.5986, 11.1287, 1.2709



2.1147, 1.0883, 0.1857

Previews

White Background



This preview shows how the XYZ color 46.7138, 28.9026, 13.9431 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 46.7138, 28.9026, 13.9431 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 46.7138, 28.9026, 13.9431

Background



This preview shows how black text looks on a background with the XYZ color 46.7138, 28.9026, 13.9431.



This preview shows how white text looks on a background with the XYZ color 46.7138, 28.9026,

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

46.7138, 28.9026, 13.9431

Protanopia

27.1866, 28.8824, 21.9113

Deuteranopia

29.4179, 28.8930, 12.8305



Tritanopia

46.5800, 28.8491, 13.2386

Trichromacy



Original Color

46.7138, 28.9026, 13.9431

Protanomaly

31.6887, 26.8913, 18.5593

Deuteranomaly

34.0941, 27.5178, 12.9657

Tritanomaly

46.6240, 28.8667, 13.4704

Monochromacy



Original Color

46.7138, 28.9026, 13.9431

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

29.1657, 24.4225, 21.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7138, 28.9026, 13.9431 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 95) }
```

Border

The CSS property to change the border of an element to XYZ 46.7138, 28.9026, 13.9431 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, 95) }
```


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

```
.border{ border-color:rgb(255, 87, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7138, 28.9026, 13.9431 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, 95) }
```

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

```
.background{ background-color: rgb(255, 87,  
95) }
```

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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