

Converting Colors

XYZ(47.7442, 30.7782, 14.8577)

Have a look what the booklet for
XYZ(47.7442, 30.7782, 14.8577)
contains.

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Color

**XYZ(47.8123, 30.8772,
14.9952)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6262
RGB	255, 98, 98
RGB Percent	100%, 38%, 38%
CMY	0.0000, 0.6156, 0.6157
CMYK	0.00, 0.62, 0.62, 0.00
HSL	0°, 100%, 69%
HSV	0°, 62%, 100%
XYZ	47.8123, 30.8772, 14.9952
YIQ	144.9430, 93.5720, 33.2840

Conversions

Conversions Part 2

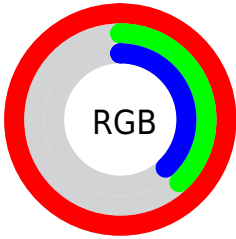
Format	Color
R _Y B	255, 98, 98
Decimal	16736866
CIE Lab	62.40, 59.70, 31.90
CIE LCh	62, 67.691, 28.113
Yxy	30.8772, 0.5104, 0.3296
Android (android.graphics.Color)	4294926946 (0xFFFF6262)
YUV	144.9430, -23.1429, 96.5200
Hunter-Lab	55.5673, 56.3459, 22.8973

Details

The XYZ color **47.8123, 30.8772, 14.9952** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.8440, 81.3307, 107.2043**, and the grayscale version is **26.9562, 28.3600, 30.8841**.

A 20% lighter version of the original color is **58.2204, 46.5411, 34.3486**, and **22.9973, 12.7686, 4.3845** is the 20% darker color. If you saturate the color by 10%, you get **44.7765, 26.4354, 8.9595**, and if you desaturate by 10%, it is **51.9926, 36.9949, 23.3041**.

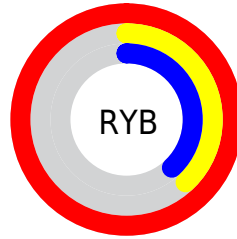
Distribution



Red (100%)

Green (38%)

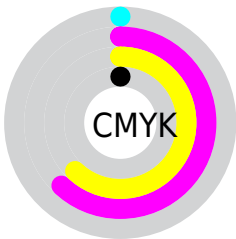
Blue (38%)



Red (100%)

Yellow (38%)

Blue (38%)

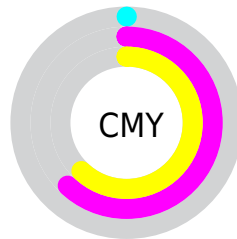


Cyan (0%)

Magenta (62%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8123, 30.8772, 14.9952 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 47.8123, 30.8772, 14.9952 by changing the saturation by 10% instead.


 47.8123, 30.8772,
14.9952


 47.8123, 30.8772,
14.9952

368.6426,
305.9722, 234.9769

 33.8889, 20.5054,
8.6694


 86.1363, 61.0467,
35.5869


 22.9707, 12.7629,
4.4323


 111.2675, 81.6131,
50.6900

 14.6925, 7.2655,
1.8654


 140.8655,
106.3465, 69.5559

 8.6888, 3.6287,
0.4706

 175.2954,
135.6313, 92.6032

 4.5942, 1.4681,
0.0000

214.9228,
169.8519, 120.2504

 2.0435, 0.2661,
0.0000

260.1129,

 0.6582, 0.0000,

209.3926, 152.9161

0.0000

311.2310,
254.6379, 191.0187

■ 0.0000, 0.0000,
0.0000

■ 47.8123, 30.8772,
14.9952

■ 47.8123, 30.8772,
14.9952

■ 44.7765, 26.4354,
8.9595

■ 51.9926, 36.9949,
23.3041

■ 42.7699, 23.4992,
4.9710

■ 57.4132, 44.9269,
34.0799

■ 41.6576, 21.8713,
2.7601

■ 64.1626, 54.8032,
47.4972

■ 41.2399, 21.2602,
1.9300

■ 72.3204, 66.7404,
63.7145

■ 81.9600, 80.8459,
82.8778

93.1499, 97.2198,
105.1231

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.



50.7374, 30.8772, 35.3110



47.8123, 30.8772, 14.9952



39.6841, 30.8772, 6.3854

Triad

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



47.8123, 30.8772, 14.9952



16.7763, 30.8772, 13.3754



28.7709, 30.8772, 113.5762

Complementary

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



47.8123, 30.8772, 14.9952



58.8440, 81.3307, 107.2043

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.



20.9830, 30.8772, 97.3213



47.8123, 30.8772, 14.9952



15.0153, 30.8772, 31.9839

Square

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



47.8123, 30.8772, 14.9952



21.7977, 30.8772, 5.8514



16.3794, 30.8772, 63.4757



38.4666, 30.8772, 100.7392

Rectangle

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



47.8123, 30.8772, 14.9952



33.1324, 30.8772, 4.4594



16.3794, 30.8772, 63.4757



25.8630, 30.8772, 111.2159

Sweetspot

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



47.8130, 30.8789, 14.9957



75.5866, 71.5197, 70.2074



63.6575, 37.2154, 98.4354



15.6055, 14.4695, 13.8879



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.



47.8130, 30.8789, 14.9957



44.1986, 25.5897, 7.8105



59.0680, 53.3889, 18.7474



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



58.8440, 81.3307, 107.2043



56.0737, 79.9020, 107.0750



38.7106, 41.0639, 100.4931



18.5549, 20.4813, 23.2253



28.1146, 41.1387, 55.8934



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 47.8123, 30.8772, 14.9952 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 47.8123, 30.8772, 14.9952 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 47.8123, 30.8772, 14.9952

Background



This preview shows how black text looks on a background with the XYZ color 47.8123, 30.8772, 14.9952.



This preview shows how white text looks on a background with the XYZ color 47.8123, 30.8772,

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

47.8123, 30.8772, 14.9952

Protanopia

29.1547, 31.0664, 22.2291

Deuteranopia

31.5859, 30.8751, 13.9676



Tritanopia

47.9629, 30.7887, 16.2468

Trichromacy



Original Color

47.8123, 30.8772, 14.9952

Protanomaly

33.6816, 29.2745, 19.2046

Deuteranomaly

36.1435, 29.6707, 14.1780

Tritanomaly

47.8637, 30.7490, 15.7244

Monochromacy



Original Color

47.8123, 30.8772, 14.9952

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.6230, 27.3111, 24.0269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8123, 30.8772, 14.9952 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, 98, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 98)  
}
```

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, 98, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 98) }
```

Border

The CSS property to change the border of an element to XYZ 47.8123, 30.8772, 14.9952 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, 98, 98) }
```


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

```
.border{ border-color:rgb(255, 98, 98) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8123, 30.8772, 14.9952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 98) }
```

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

```
.background{ background-color: rgb(255, 98,  
98) }
```

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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