

Converting Colors

XYZ(48.7218, 31.5442, 18.8499)

Have a look what the booklet for
XYZ(48.7218, 31.5442, 18.8499)
contains.

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Color

**XYZ(48.7218, 31.5442,
18.8499)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6470
RGB	255, 100, 112
RGB Percent	100%, 39%, 44%
CMY	0.0000, 0.6078, 0.5608
CMYK	0.00, 0.61, 0.56, 0.00
HSL	355°, 100%, 70%
HSV	355°, 61%, 100%
XYZ	48.7218, 31.5442, 18.8499
YIQ	147.7130, 88.5280, 36.5920

Conversions

Conversions Part 2

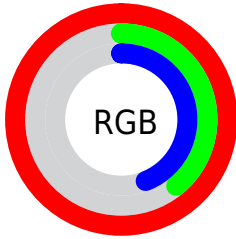
Format	Color
R _Y B	255, 100, 112
Decimal	16737392
CIE Lab	62.96, 59.79, 24.68
CIE LCh	63, 64.687, 22.427
Yxy	31.5442, 0.4916, 0.3183
Android (android.graphics.Color)	4294927472 (0xFFFF6470)
YUV	147.7130, -17.6065, 94.0907
Hunter-Lab	56.1642, 56.5592, 19.4160

Details

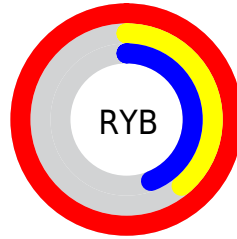
The XYZ color **48.7218, 31.5442, 18.8499** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.1954, 80.7011, 97.3631**, and the grayscale version is **28.0753, 29.5374, 32.1662**.

A 20% lighter version of the original color is **59.8293, 47.7173, 41.1790**, and **23.4224, 13.0942, 6.1434** is the 20% darker color. If you saturate the color by 10%, you get **45.5039, 26.9382, 12.1370**, and if you desaturate by 10%, it is **53.0485, 37.8206, 27.6211**.

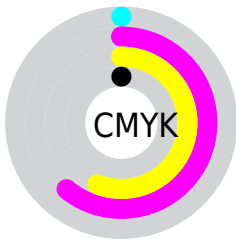
Distribution



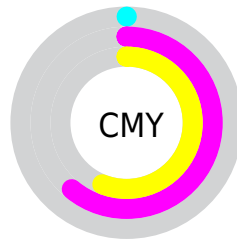
- Red (100%)
- Green (39%)
- Blue (44%)



- Red (100%)
- Yellow (39%)
- Blue (44%)



- Cyan (0%)
- Magenta (61%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7218, 31.5442, 18.8499 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 48.7218, 31.5442, 18.8499 by changing the saturation by 10% instead.


 48.7218, 31.5442,
18.8499


 48.7218, 31.5442,
18.8499


372.1812,
309.0377, 258.0139


 34.6125, 21.0136,
11.3862


 87.4813, 62.0959,
42.3136


 23.5296, 13.1339,
6.2098


 112.8623, 82.8857,
59.1507

 15.1079, 7.5208,
2.9022


 142.7311,
107.8641, 79.9493

 8.9820, 3.7899,
1.0449

 177.4532,
137.4153, 105.1279

 4.7864, 1.5567,
0.0000

217.3939,
171.9240, 135.1052

 2.1560, 0.3282,
0.0000

262.9185,

 0.7194, 0.0000,

211.7743, 170.2996

0.0000

314.3925,
257.3507, 211.1296

■ 0.0000, 0.0000,
0.0000

■ 48.7218, 31.5442,
18.8499

■ 48.7218, 31.5442,
18.8499

■ 45.5039, 26.9382,
12.1370

■ 53.0485, 37.8206,
27.6211

■ 43.2911, 23.8384,
7.3125

■ 58.5707, 45.9013,
38.5987

■ 41.9640, 22.0562,
4.1819

■ 65.3690, 55.9122,
51.9188

■ 41.3637, 21.3095,
2.5822

■ 73.5164, 67.9669,
67.7062

■ 83.0803, 82.1698,
86.0768

94.1237, 98.6186,
107.1393

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.



50.3200, 31.5442, 41.2107



48.7218, 31.5442, 18.8499



41.6601, 31.5442, 8.3220

Triad

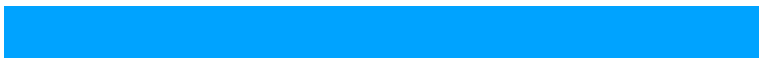
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.7218, 31.5442, 18.8499



18.3716, 31.5442, 12.3074



27.7849, 31.5442, 109.3217

Complementary

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



48.7218, 31.5442, 18.8499



57.1954, 80.7011, 97.3631

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.



20.7195, 31.5442, 89.5947



48.7218, 31.5442, 18.8499



16.0285, 31.5442, 28.2898

Square

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



48.7218, 31.5442, 18.8499



23.9216, 31.5442, 6.0578



16.7938, 31.5442, 56.6138



36.9877, 31.5442, 102.3856

Rectangle

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



48.7218, 31.5442, 18.8499



35.4448, 31.5442, 5.6226



16.7938, 31.5442, 56.6138



25.1112, 31.5442, 105.3511

Sweetspot

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



48.7226, 31.5459, 18.8504



76.0310, 71.6964, 72.5504



59.2547, 35.2282, 98.2840



15.7111, 14.5115, 14.4448



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.



48.7226, 31.5459, 18.8504



44.9300, 26.1262, 10.9095



56.9216, 48.9423, 18.5057



18.0664, 18.0099, 18.9668



21.6336, 11.1427, 1.4549



2.1252, 1.0924, 0.2405

Inverse Universe

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



48.7226, 31.5459, 18.8504



44.9300, 26.1262, 10.9095



41.8111, 46.9391, 101.4638



18.0664, 18.0099, 18.9668



21.6336, 11.1427, 1.4549



2.1252, 1.0924, 0.2405

Previews

White Background



This preview shows how the XYZ color 48.7218, 31.5442, 18.8499 looks on a white background.

Color Contrast Check

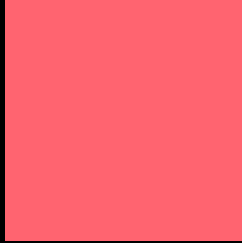
Large Text (above 18pt) WCAG AA × Fail

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 48.7218, 31.5442, 18.8499 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 48.7218, 31.5442, 18.8499

Background



This preview shows how black text looks on a background with the XYZ color 48.7218, 31.5442, 18.8499.



This preview shows how white text looks on a background with the XYZ color 48.7218, 31.5442,

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

48.7218, 31.5442, 18.8499

Protanopia

29.9702, 31.6050, 27.8133

Deuteranopia

32.1201, 31.5228, 17.7562



Tritanopia

48.5475, 31.6289, 17.4562

Trichromacy



Original Color

48.7218, 31.5442, 18.8499

Protanomaly

34.4664, 29.7767, 24.0096

Deuteranomaly

36.8515, 30.3385, 18.1010

Tritanomaly

48.6540, 31.6715, 18.0169

Monochromacy



Original Color

48.7218, 31.5442, 18.8499

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.9830, 28.5467, 26.6933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7218, 31.5442, 18.8499 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, 100, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 112)  
}
```

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, 100, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 112) }
```

Border

The CSS property to change the border of an element to XYZ 48.7218, 31.5442, 18.8499 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, 100, 112) }
```


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

```
.border{ border-color:rgb(255, 100, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 100, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 100, 112); box-shadow:4px 4px 4px 4px rgb(255, 100, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7218, 31.5442, 18.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 112) }
```

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

```
.background{ background-color: rgb(255,  
100, 112) }
```

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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