

Converting Colors

XYZ(48.8401, 31.1248, 20.9117)

Have a look what the booklet for
XYZ(48.8401, 31.1248, 20.9117)
contains.

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Color

**XYZ(48.8445, 31.1413,
20.8892)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6177
RGB	255, 97, 119
RGB Percent	100%, 38%, 47%
CMY	0.0000, 0.6196, 0.5333
CMYK	0.00, 0.62, 0.53, 0.00
HSL	352°, 100%, 69%
HSV	352°, 62%, 100%
XYZ	48.8445, 31.1413, 20.8892
YIQ	146.7500, 87.1060, 40.3380

Conversions

Conversions Part 2

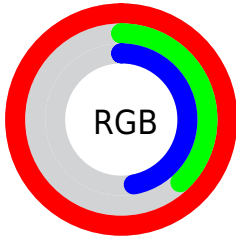
Format	Color
R_{YB}	255, 97, 119
Decimal	16736631
CIE _{Lab}	62.63, 61.59, 20.21
CIE _{LCh}	63, 64.818, 18.171
Yxy	31.1413, 0.4842, 0.3087
Android (android.graphics.Color)	4294926711 (0xFFFF6177)
YUV	146.7500, -13.6807, 94.9352
Hunter-Lab	55.8044, 58.5799, 16.8691

Details

The XYZ color **48.8445, 31.1413, 20.8892** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.3999, 79.9454, 89.6084**, and the grayscale version is **27.6608, 29.1013, 31.6913**.

A 20% lighter version of the original color is **60.1463, 47.3115, 44.4900**, and **23.7307, 12.9945, 7.2187** is the 20% darker color. If you saturate the color by 10%, you get **45.6857, 26.6955, 14.0663**, and if you desaturate by 10%, it is **53.0662, 37.2261, 29.5687**.

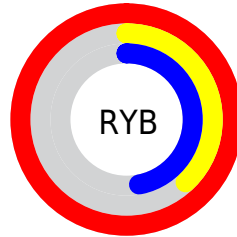
Distribution



Red (100%)

Green (38%)

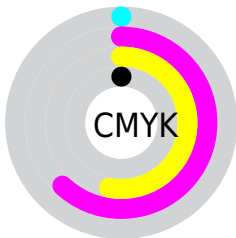
Blue (47%)



Red (100%)

Yellow (38%)

Blue (47%)

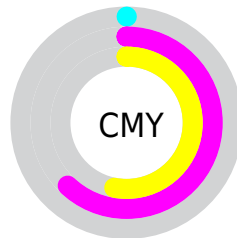


Cyan (0%)

Magenta (62%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8445, 31.1413, 20.8892 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 48.8445, 31.1413, 20.8892 by changing the saturation by 10% instead.


 48.8445, 31.1413,
20.8892

 48.8445, 31.1413,
20.8892


372.6569,
307.1888, 269.4507

 34.7102, 20.7065,
12.8526

 87.6626, 61.4625,
45.7815


 23.6052, 12.9096,
7.1976


 113.0770, 82.1176,
63.4742

 15.1641, 7.3663,
3.5057


 142.9822,
106.9483, 85.2227

 9.0217, 3.6922,
1.3583

 177.7435,
136.3389, 111.4455

 4.8126, 1.5029,
0.1088

217.7263,
170.6739, 142.5612

 2.1713, 0.2908,
0.0000

263.2959,

 0.7276, 0.0000,

210.3376, 178.9882

0.0000

314.8177,
255.7144, 221.1452

■ 0.0000, 0.0000,
0.0000

■ 48.8445, 31.1413,
20.8892

■ 48.8445, 31.1413,
20.8892

■ 45.6857, 26.6955,
14.0663

■ 53.0662, 37.2261,
29.5687

■ 43.4907, 23.7240,
8.9615

■ 58.4333, 45.0836,
40.2264

■ 42.1452, 22.0368,
5.4184

■ 65.0227, 54.8394,
52.9752

■ 41.5506, 21.3842,
3.5664

■ 72.9039, 66.6065,
67.9191

■ 82.1411, 80.4889,
85.1550

92.7944, 96.5834,
104.7740

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.



49.5267, 31.1413, 44.8872



48.8445, 31.1413, 20.8892



42.4310, 31.1413, 9.0447

Triad

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



48.8445, 31.1413, 20.8892



18.6621, 31.1413, 10.7146



26.2522, 31.1413, 107.2653

Complementary

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



48.8445, 31.1413, 20.8892



55.3999, 79.9454, 89.6084

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.



19.6561, 31.1413, 84.5944



48.8445, 31.1413, 20.8892



15.8942, 31.1413, 24.8825

Square

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



48.8445, 31.1413, 20.8892



24.6124, 31.1413, 5.5103



16.2176, 31.1413, 51.4491



35.2171, 31.1413, 104.2923

Rectangle

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



48.8445, 31.1413, 20.8892



36.3735, 31.1413, 5.8327



16.2176, 31.1413, 51.4491



23.7224, 31.1413, 102.0623

Sweetspot

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



48.8453, 31.1430, 20.8897



75.4915, 70.4869, 72.7730



55.3778, 32.8102, 98.0218



15.6222, 14.2831, 14.5708



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.



48.8453, 31.1430, 20.8897



45.1624, 25.9742, 12.8885



54.6760, 44.6792, 17.0538



18.1123, 18.0282, 19.2086



21.7423, 11.1862, 2.0272



2.1467, 1.1011, 0.3542

Inverse Universe

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



48.8453, 31.1430, 20.8897



45.1624, 25.9742, 12.8885



43.5663, 50.9331, 102.1424



18.1123, 18.0282, 19.2086



21.7423, 11.1862, 2.0272



2.1467, 1.1011, 0.3542

Previews

White Background



This preview shows how the XYZ color 48.8445, 31.1413, 20.8892 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 48.8445, 31.1413, 20.8892 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 48.8445, 31.1413, 20.8892

Background



This preview shows how black text looks on a background with the XYZ color 48.8445, 31.1413, 20.8892.



This preview shows how white text looks on a background with the XYZ color 48.8445, 31.1413,

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

48.8445, 31.1413, 20.8892

Protanopia

29.9652, 31.2765, 31.6518

Deuteranopia

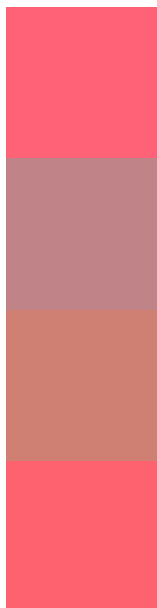
31.8724, 31.1239, 19.6569



Tritanopia

47.9364, 31.0351, 17.0995

Trichromacy



Original Color

48.8445, 31.1413, 20.8892

Protanomaly

34.2985, 29.2166, 27.1242

Deuteranomaly

36.5458, 29.9415, 20.0728

Tritanomaly

48.1100, 30.9539, 18.4779

Monochromacy



Original Color

48.8445, 31.1413, 20.8892

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

32.6153, 27.9458, 27.3420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8445, 31.1413, 20.8892 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, 97, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 119)  
}
```

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, 97, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 119) }
```

Border

The CSS property to change the border of an element to XYZ 48.8445, 31.1413, 20.8892 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, 97, 119) }
```


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

```
.border{ border-color:rgb(255, 97, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8445, 31.1413, 20.8892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 119) }
```

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

```
.background{ background-color: rgb(255, 97,  
119) }
```

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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