

Converting Colors

XYZ(49.2950, 33.7036, 21.9748)

Have a look what the booklet for
XYZ(49.2950, 33.7036, 21.9748)
contains.

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Color

**XYZ(49.5012, 33.8862,
22.0208)**

Conversions

Conversions Part 1

Format	Color
Hex	FC7179
RGB	252, 113, 121
RGB Percent	99%, 44%, 47%
CMY	0.0118, 0.5568, 0.5255
CMYK	0.00, 0.55, 0.52, 0.01
HSL	357°, 96%, 72%
HSV	357°, 55%, 99%
XYZ	49.5012, 33.8862, 22.0208
YIQ	155.4730, 80.2760, 31.9560

Conversions

Conversions Part 2

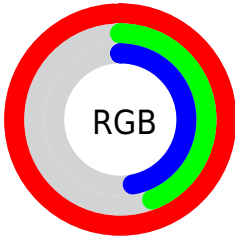
Format	Color
R_{YB}	252, 113, 121
Decimal	16544121
CIE _{Lab}	64.87, 53.69, 22.04
CIE _{LCh}	65, 58.041, 22.316
Yxy	33.8862, 0.4696, 0.3215
Android (android.graphics.Color)	4294734201 (0xFFFC7179)
YUV	155.4730, -16.9952, 84.6542
Hunter-Lab	58.2119, 49.9190, 18.3196

Details

The XYZ color **49.5012, 33.8862, 22.0208** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.9517, 79.6639, 97.9161**, and the grayscale version is **31.4147, 33.0507, 35.9922**.

A 20% lighter version of the original color is **62.9708, 52.6531, 46.3793**, and **23.9509, 14.4543, 7.8309** is the 20% darker color. If you saturate the color by 10%, you get **45.7881, 28.5112, 14.4603**, and if you desaturate by 10%, it is **54.3549, 40.9689, 31.7307**.

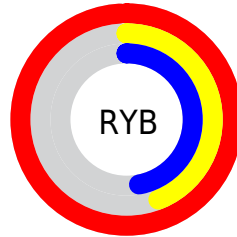
Distribution



Red (99%)

Green (44%)

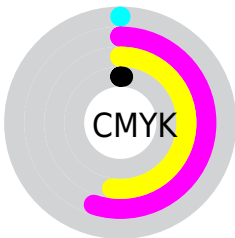
Blue (47%)



Red (99%)

Yellow (44%)

Blue (47%)

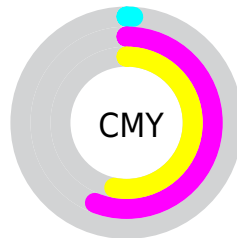


Cyan (0%)

Magenta (55%)

Yellow (52%)

Black (1%)



Cyan (1%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5012, 33.8862, 22.0208 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 49.5012, 33.8862, 22.0208 by changing the saturation by 10% instead.


 49.5012, 33.8862,
22.0208


 49.5012, 33.8862,
22.0208


375.1964,
319.6243, 275.6119

 35.2334, 22.8062,
13.6737


 88.6316, 65.7567,
47.6830

 24.0101, 14.4505,
7.7579


 114.2250, 87.3159,
65.8352

 15.4659, 8.4346,
3.8549

 144.3243,
113.1370, 88.0929

 9.2354, 4.3743,
1.5461


179.2948,
143.6044, 114.8745

 4.9534, 1.8851,
0.2519

219.5019,
179.1024, 146.5987

 2.2544, 0.5394,
0.0000

265.3110,

 0.7712, 0.0000,

220.0155, 183.6840

0.0000

317.0874,
266.7280, 226.5489

■ 0.0000, 0.0000,
0.0000

■ 49.5012, 33.8862,
22.0208

■ 49.5012, 33.8862,
22.0208

■ 45.7881, 28.5112,
14.4603

■ 54.3549, 40.9689,
31.7307

■ 43.1198, 24.6949,
8.8843

■ 60.4294, 49.8810,
43.7348

■ 41.3894, 22.2722,
5.1067

■ 67.8007, 60.7393,
58.1669

■ 40.4652, 21.0380,
2.9051

■ 76.5381, 73.6497,
75.1506

■ 40.2274, 20.7284,
2.3139

■ 86.7055, 88.7100,
94.8005

93.9547, 99.4354,
108.8487

Harmonies

Analogous

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



50.9269, 33.8862, 43.4066



49.5012, 33.8862, 22.0208



43.0777, 33.8862, 11.1258

Triad

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



49.5012, 33.8862, 22.0208



21.0799, 33.8862, 15.2894



30.1041, 33.8862, 103.9837

Complementary

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



49.5012, 33.8862, 22.0208



57.9517, 79.6639, 97.9161

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.



23.3401, 33.8862, 86.6903



49.5012, 33.8862, 22.0208



18.7503, 33.8862, 31.0718

Square

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



49.5012, 33.8862, 22.0208



26.4771, 33.8862, 8.5790



19.4994, 33.8862, 57.3022



38.7109, 33.8862, 98.0414

Rectangle

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



49.5012, 33.8862, 22.0208



37.3463, 33.8862, 8.1064



19.4994, 33.8862, 57.3022



27.5637, 33.8862, 100.5046

Sweetspot

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



49.5020, 33.8880, 22.0214



76.8519, 73.0345, 73.7604



60.3469, 37.8477, 96.2198



16.0501, 15.0419, 15.0125



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.



49.5020, 33.8880, 22.0214



46.7527, 28.8794, 14.2678



58.1151, 51.8663, 22.5735



17.2851, 17.2414, 18.0909



20.9715, 10.8043, 1.2922



1.9561, 1.0062, 0.1922

Inverse Universe

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



49.5020, 33.8880, 22.0214



46.7527, 28.8794, 14.2678



43.1810, 48.1379, 99.1108



17.2851, 17.2414, 18.0909



20.9715, 10.8043, 1.2922



1.9561, 1.0062, 0.1922

Previews

White Background



This preview shows how the XYZ color 49.5012, 33.8862, 22.0208 looks on a white background.

Color Contrast Check

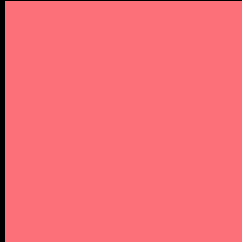
Large Text (above 18pt) WCAG AA × Fail

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 49.5012, 33.8862, 22.0208 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 49.5012, 33.8862, 22.0208

Background



This preview shows how black text looks on a background with the XYZ color 49.5012, 33.8862, 22.0208.



This preview shows how white text looks on a background with the XYZ color 49.5012, 33.8862,

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

49.5012, 33.8862, 22.0208

Protanopia

32.2493, 33.9594, 30.4463

Deuteranopia

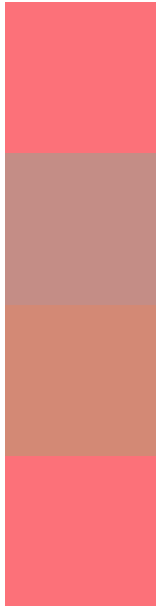
34.6546, 33.9358, 20.9434



Tritanopia

49.5012, 33.8862, 22.0208

Trichromacy



Original Color

49.5012, 33.8862, 22.0208

Protanomaly

36.5929, 32.5067, 26.9000

Deuteranomaly

39.0205, 33.0246, 21.1474

Tritanomaly

49.5012, 33.8862, 22.0208

Monochromacy



Original Color

49.5012, 33.8862, 22.0208

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.5712, 31.6865, 30.2279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5012, 33.8862, 22.0208 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(252, 113, 121)` looks like.

```
.text, #text, p{  
    color:rgb(252, 113, 121)  
}
```

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(252, 113, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 113, 121) }
```

Border

The CSS property to change the border of an element to XYZ 49.5012, 33.8862, 22.0208 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(252, 113, 121) }
```


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

```
.border{ border-color:rgb(252, 113, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 113, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 113, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 113, 121);  
box-shadow:4px 4px 4px 4px rgb(252, 113,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5012, 33.8862, 22.0208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 113, 121) }
```

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

```
.background{ background-color: rgb(252,  
113, 121) }
```

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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