

Converting Colors

XYZ(49.9631, 37.5750, 22.2640)

Have a look what the booklet for
XYZ(49.9631, 37.5750, 22.2640)
contains.

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Color

**XYZ(49.9992, 37.6328,
22.3979)**

Conversions

Conversions Part 1

Format	Color
Hex	F78478
RGB	247, 132, 120
RGB Percent	97%, 52%, 47%
CMY	0.0314, 0.4823, 0.5294
CMYK	0.00, 0.47, 0.51, 0.03
HSL	6°, 89%, 72%
HSV	6°, 51%, 97%
XYZ	49.9992, 37.6328, 22.3979
YIQ	165.0170, 72.3920, 20.6480

Conversions

Conversions Part 2

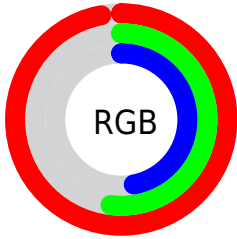
Format	Color
R_{YB}	247, 133, 120
Decimal	16221304
CIE _{Lab}	67.75, 42.64, 26.33
CIE _{LCh}	68, 50.113, 31.699
Yxy	37.6328, 0.4544, 0.3420
Android (android.graphics.Color)	4294411384 (0xFFFF78478)
YUV	165.0170, -22.1934, 71.8991
Hunter-Lab	61.3456, 38.1302, 21.2945

Details

The XYZ color **49.9992, 37.6328, 22.3979** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.2406, 70.1212, 98.6713**, and the grayscale version is **35.8522, 37.7193, 41.0763**.

A 20% lighter version of the original color is **66.4567, 59.7792, 47.0656**, and **24.1830, 16.4860, 7.8688** is the 20% darker color. If you saturate the color by 10%, you get **45.9743, 31.6807, 14.5903**, and if you desaturate by 10%, it is **55.0626, 45.0435, 32.4595**.

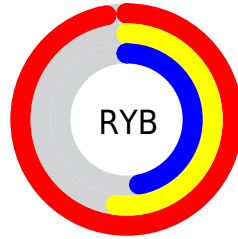
Distribution



Red (97%)

Green (52%)

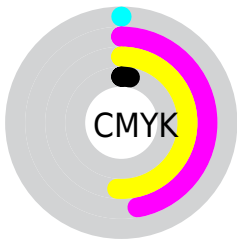
Blue (47%)



Red (97%)

Yellow (52%)

Blue (47%)

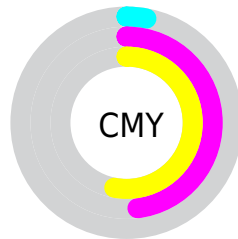


Cyan (0%)

Magenta (47%)

Yellow (51%)

Black (3%)



Cyan (3%)


Magenta (48%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9992, 37.6328, 22.3979 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 49.9992, 37.6328, 22.3979 by changing the saturation by 10% instead.


 49.9992, 37.6328,
22.3979


 49.9992, 37.6328,
22.3979


377.1149,
336.0421, 277.6382

 35.6306, 25.6978,
13.9485


 89.3655, 71.5450,
48.3134

 24.3178, 16.5977,
7.9465


 115.0939, 94.2909,
66.6165

 15.6955, 9.9481,
3.9734


 145.3396,
121.4094, 89.0412

 9.3984, 5.3646,
1.6108

180.4679,
153.2847, 116.0061

 5.0612, 2.4627,
0.2985

220.8443,
190.3012, 147.9297

 2.3183, 0.8579,
0.0000

266.8340,

 0.8040, 0.0000,

232.8433, 185.2306

0.0000

318.8024,
281.2955, 228.3272

■ 0.0000, 0.0000,
0.0000

■ 49.9992, 37.6328,
22.3979

■ 49.9992, 37.6328,
22.3979

■ 45.9743, 31.6807,
14.5903

■ 55.0626, 45.0435,
32.4595

■ 42.9129, 27.0854,
8.8606

■ 61.2270, 53.9943,
44.9287

■ 40.7341, 23.7412,
5.0102

■ 68.5535, 64.5675,
59.9480

■ 39.3424, 21.5241,
2.8003

■ 77.0975, 76.8378,
77.6482

■ 38.6710, 20.4009,
1.8996

■ 86.9111, 90.8755,
98.1511

92.1676, 98.5141,
108.7651

Harmonies

Analogous

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



52.8207, 37.6328, 39.7239



49.9992, 37.6328, 22.3979



43.3065, 37.6328, 13.7216

Triad

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



49.9992, 37.6328, 22.3979



24.1907, 37.6328, 23.8946



36.2123, 37.6328, 100.1240

Complementary

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



49.9992, 37.6328, 22.3979



54.2406, 70.1212, 98.6713

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.



29.1609, 37.6328, 91.1866



49.9992, 37.6328, 22.3979



22.8494, 37.6328, 42.2536

Square

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



49.9992, 37.6328, 22.3979



28.4984, 37.6328, 14.3406



24.5325, 37.6328, 67.7298



44.1812, 37.6328, 89.0476

Rectangle

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



49.9992, 37.6328, 22.3979



37.9630, 37.6328, 11.5981



24.5325, 37.6328, 67.7298



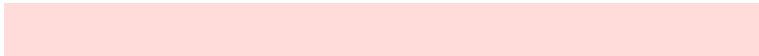
33.6610, 37.6328, 99.3492

Sweetspot

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



50.0001, 37.6348, 22.3986



79.4213, 77.6356, 76.2745



60.2751, 39.2876, 84.0808



16.5823, 16.0182, 15.4615



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.



50.0001, 37.6348, 22.3986



49.1703, 33.6758, 15.1933



61.0582, 59.7509, 26.0846



16.6251, 16.7343, 17.1514



20.4960, 10.8776, 1.0193



1.8431, 1.0395, 0.1035

Inverse Universe

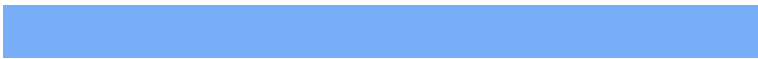
The Inverse Universe completely reimagines the original color for something new.



54.2406, 70.1212, 98.6713



54.1448, 72.1073, 105.6721



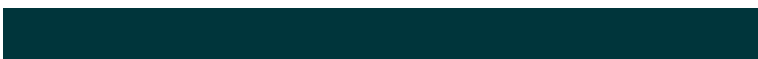
39.4620, 40.5639, 93.7450



16.8549, 18.4742, 21.2201



22.9835, 31.7608, 51.4571



2.0583, 2.8680, 4.5353

Previews

White Background



This preview shows how the XYZ color 49.9992, 37.6328, 22.3979 looks on a white background.

Color Contrast Check

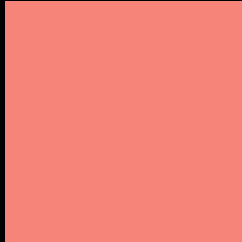
Large Text (above 18pt) WCAG AA × Fail

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 49.9992, 37.6328, 22.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

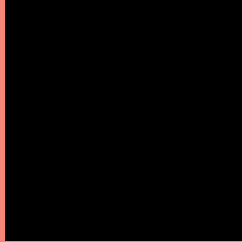
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9992, 37.6328, 22.3979

Background



This preview shows how black text looks on a background with the XYZ color 49.9992, 37.6328, 22.3979.



This preview shows how white text looks on a background with the XYZ color 49.9992, 37.6328,

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

49.9992, 37.6328, 22.3979

Protanopia

35.5075, 37.7735, 28.3412

Deuteranopia

38.3473, 37.5618, 21.4487



Tritanopia

51.2219, 37.5211, 28.9687

Trichromacy



Original Color

49.9992, 37.6328, 22.3979

Protanomaly

39.5079, 36.8117, 26.1422

Deuteranomaly

41.9827, 37.2263, 21.8023

Tritanomaly

50.8589, 37.5877, 26.4044

Monochromacy



Original Color

49.9992, 37.6328, 22.3979

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.3217, 36.5545, 33.4170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9992, 37.6328, 22.3979 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(247, 132, 120)` looks like.

```
.text, #text, p{  
    color:rgb(247, 132, 120)  
}
```

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(247, 132, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 132, 120) }
```

Border

The CSS property to change the border of an element to XYZ 49.9992, 37.6328, 22.3979 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(247, 132, 120) }
```


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

```
.border{ border-color:rgb(247, 132, 120) }
```

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

Here you see how a box with a 4 pixel rgb(247, 132, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 132, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 132, 120);  
box-shadow:4px 4px 4px 4px rgb(247, 132,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9992, 37.6328, 22.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 132, 120) }
```

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

```
.background{ background-color: rgb(247,  
132, 120) }
```

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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