

Converting Colors

XYZ(49.7327, 32.4831, 22.5251)

Have a look what the booklet for
XYZ(49.7327, 32.4831, 22.5251)
contains.

XYZ(49.6654, 32.3906, 22.3732)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.6654, 32.3906,
22.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	FF677B
RGB	255, 103, 123
RGB Percent	100%, 40%, 48%
CMY	0.0000, 0.5960, 0.5176
CMYK	0.00, 0.60, 0.52, 0.00
HSL	352°, 100%, 70%
HSV	352°, 60%, 100%
XYZ	49.6654, 32.3906, 22.3732
YIQ	150.7280, 84.1720, 38.4440

Conversions

Conversions Part 2

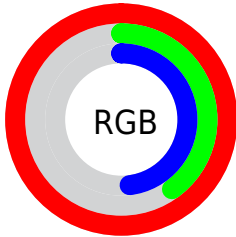
Format	Color
R_{YB}	255, 103, 123
Decimal	16738171
CIE _{Lab}	63.66, 59.34, 19.33
CIE _{LCh}	64, 62.414, 18.045
Yxy	32.3906, 0.4756, 0.3102
Android (android.graphics.Color)	4294928251 (0xFFFF677B)
YUV	150.7280, -13.6699, 91.4465
Hunter-Lab	56.9127, 56.1723, 16.5312

Details

The XYZ color **49.6654, 32.3906, 22.3732** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.3511, 80.4025, 91.1528**, and the grayscale version is **29.3319, 30.8594, 33.6059**.

A 20% lighter version of the original color is **61.3760, 49.1514, 46.8097**, and **24.1630, 13.6468, 8.0172** is the 20% darker color. If you saturate the color by 10%, you get **46.2713, 27.5760, 15.1585**, and if you desaturate by 10%, it is **54.1478, 38.8804, 31.4981**.

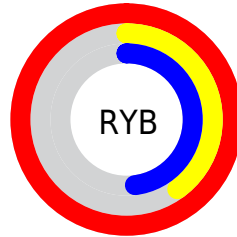
Distribution



Red (100%)

Green (40%)

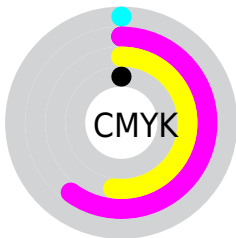
Blue (48%)



Red (100%)

Yellow (40%)

Blue (48%)

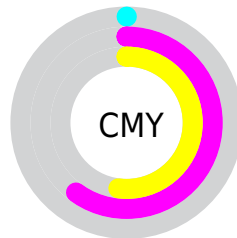


Cyan (0%)

Magenta (60%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6654, 32.3906, 22.3732 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 49.6654, 32.3906, 22.3732 by changing the saturation by 10% instead.


 49.6654, 32.3906,
22.3732


 49.6654, 32.3906,
22.3732


375.8297,
312.8947, 277.5059

 35.3643, 21.6600,
13.9304


 88.8737, 63.4229,
48.2721


 24.1115, 13.6073,
7.9341


 114.5117, 84.4935,
66.5654

 15.5415, 7.8480,
3.9656


 144.6593,
109.7794, 88.9792

 9.2891, 3.9979,
1.6065

 179.6819,
139.6652, 115.9321

 4.9888, 1.6724,
0.2955

219.9449,
174.5353, 147.8427

 2.2754, 0.4057,
0.0000

265.8136,

 0.7820, 0.0000,

214.7740, 185.1295

0.0000

317.6534,
260.7656, 228.2111

■ 0.0000, 0.0000,
0.0000

■ 49.6654, 32.3906,
22.3732

■ 49.6654, 32.3906,
22.3732

■ 46.2713, 27.5760,
15.1585

■ 54.1478, 38.8804,
31.4981

■ 43.8689, 24.2770,
9.7155

■ 59.7991, 47.1751,
42.6551

■ 42.3483, 22.3125,
5.8887

■ 66.6952, 57.3979,
55.9577

■ 41.5456, 21.3997,
3.4860

■ 74.9047, 69.6595,
71.5106

■ 41.5220, 21.3728,
3.4157

■ 84.4911, 84.0624,
89.4115

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.



50.3030, 32.3906, 46.1939



49.6654, 32.3906, 22.3732



43.4285, 32.3906, 10.2352

Triad

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



49.6654, 32.3906, 22.3732



19.9136, 32.3906, 11.9013



27.4381, 32.3906, 106.3105

Complementary

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



49.6654, 32.3906, 22.3732



56.3511, 80.4025, 91.1528

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.



20.8717, 32.3906, 84.4648



49.6654, 32.3906, 22.3732



17.1103, 32.3906, 26.2167

Square

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



49.6654, 32.3906, 22.3732



25.8735, 32.3906, 6.4610



17.4242, 32.3906, 52.3549



36.2846, 32.3906, 103.5759

Rectangle

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



49.6654, 32.3906, 22.3732



37.4990, 32.3906, 6.8297



17.4242, 32.3906, 52.3549



24.9267, 32.3906, 101.2917

Sweetspot

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



49.6662, 32.3924, 22.3738



76.3484, 71.8234, 74.2218



57.0744, 34.5393, 98.2660



15.7868, 14.5418, 14.8435



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.



49.6662, 32.3924, 22.3738



45.6094, 26.6538, 13.6985



56.0418, 46.9460, 18.9422



18.1066, 18.0260, 19.1786



21.7259, 11.1797, 1.9413



2.1441, 1.1000, 0.3401

Inverse Universe

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



49.6662, 32.3924, 22.3738



45.6094, 26.6538, 13.6985



44.1301, 51.0752, 102.1400



18.1066, 18.0260, 19.1786



21.7259, 11.1797, 1.9413



2.1441, 1.1000, 0.3401

Previews

White Background



This preview shows how the XYZ color 49.6654, 32.3906, 22.3732 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 49.6654, 32.3906, 22.3732 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 49.6654, 32.3906, 22.3732

Background



This preview shows how black text looks on a background with the XYZ color 49.6654, 32.3906, 22.3732.



This preview shows how white text looks on a background with the XYZ color 49.6654, 32.3906,

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

49.6654, 32.3906, 22.3732

Protanopia

31.1990, 32.6202, 32.6689

Deuteranopia

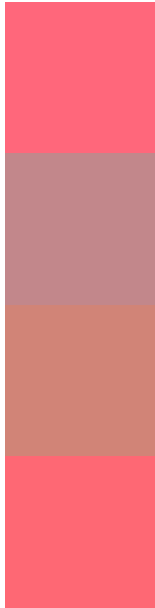
33.0337, 32.3858, 21.0330



Tritanopia

48.8493, 32.3438, 18.9976

Trichromacy



Original Color

49.6654, 32.3906, 22.3732

Protanomaly

35.5723, 30.6614, 28.4695

Deuteranomaly

37.8755, 31.3897, 21.5153

Tritanomaly

48.9758, 32.2324, 20.1632

Monochromacy



Original Color

49.6654, 32.3906, 22.3732

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.3191, 29.7921, 29.1409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6654, 32.3906, 22.3732 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, 103, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 123)  
}
```

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, 103, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 123) }
```

Border

The CSS property to change the border of an element to XYZ 49.6654, 32.3906, 22.3732 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, 103, 123) }
```


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

```
.border{ border-color:rgb(255, 103, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6654, 32.3906, 22.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 123) }
```

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

```
.background{ background-color: rgb(255,  
103, 123) }
```

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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