

Converting Colors

XYZ(59.5222, 37.1813, 24.0050)

Have a look what the booklet for
XYZ(59.5222, 37.1813, 24.0050)
contains.

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Color

**XYZ(49.7244, 32.0997,
23.6538)**

Conversions

Conversions Part 1

Format	Color
Hex	FF657F
RGB	255, 101, 127
RGB Percent	100%, 40%, 50%
CMY	0.0000, 0.6039, 0.5020
CMYK	0.00, 0.60, 0.50, 0.00
HSL	350°, 100%, 70%
HSV	350°, 60%, 100%
XYZ	49.7244, 32.0997, 23.6538
YIQ	150.0100, 83.4380, 40.7340

Conversions

Conversions Part 2

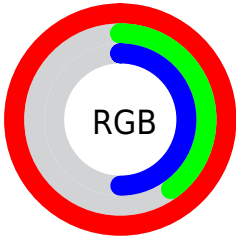
Format	Color
R _Y B	255, 101, 127
Decimal	16737663
CIE Lab	63.43, 60.53, 16.71
CIE LCh	63, 62.799, 15.432
Yxy	32.0997, 0.4714, 0.3043
Android (android.graphics.Color)	4294927743 (0xFFFF657F)
YUV	150.0100, -11.3439, 92.0762
Hunter-Lab	56.6566, 57.5107, 14.9064

Details

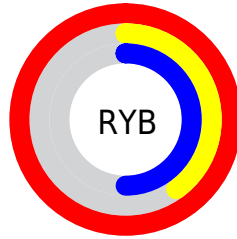
The XYZ color **49.7244, 32.0997, 23.6538** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **55.2717, 79.9445, 86.6525**, and the grayscale version is **29.0169, 30.5280, 33.2450**.

A 20% lighter version of the original color is **61.7051, 49.0090, 49.3875**, and **24.1604, 13.4734, 8.5350** is the 20% darker color. If you saturate the color by 10%, you get **46.3819, 27.3980, 16.4263**, and if you desaturate by 10%, it is **54.1269, 38.4566, 32.6688**.

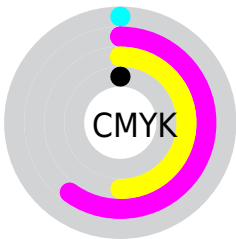
Distribution



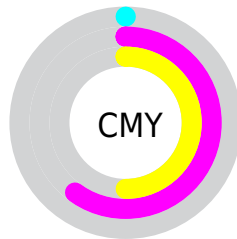
- Red (100%)
- Green (40%)
- Blue (50%)



- Red (100%)
- Yellow (40%)
- Blue (50%)



- Cyan (0%)
- Magenta (60%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7244, 32.0997, 23.6538 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 49.7244, 32.0997, 23.6538 by changing the saturation by 10% instead.


 49.7244, 32.0997,
23.6538


 49.7244, 32.0997,
23.6538

376.0570,
311.5732, 284.2955

 35.4114, 21.4377,
14.8672


 88.9607, 62.9674,
50.4014


 24.1479, 13.4443,
8.5806


 114.6146, 83.9418,
69.1994

 15.5687, 7.7352,
4.3756


 144.7796,
109.1224, 92.1717

 9.3084, 3.9260,
1.8336

 179.8209,
138.8937, 119.7368

 5.0016, 1.6322,
0.4500

220.1040,
173.6400, 152.3131

 2.2830, 0.3792,
0.0000

265.9941,

 0.7859, 0.0000,

213.7458, 190.3193

0.0000

317.8567,
259.5954, 234.1739

■ 0.0000, 0.0000,
0.0000

■ 49.7244, 32.0997,
23.6538

■ 49.7244, 32.0997,
23.6538

■ 46.3819, 27.3980,
16.4263

■ 54.1269, 38.4566,
32.6688

■ 44.0050, 24.1916,
10.8632

■ 59.6679, 46.5988,
43.5793

■ 42.4858, 22.2979,
6.8280

■ 66.4215, 56.6493,
56.4868

■ 41.6766, 21.4346,
4.2300

■ 74.4544, 68.7188,
71.4848

■ 83.8287, 82.9095,
88.6611

94.6022, 99.3165,
108.0981

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.



49.8153, 32.0997, 48.4940



49.7244, 32.0997, 23.6538



43.8736, 32.0997, 10.6678

Triad

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



49.7244, 32.0997, 23.6538



20.0436, 32.0997, 10.9021



26.4787, 32.0997, 105.2009

Complementary

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



49.7244, 32.0997, 23.6538



55.2717, 79.9445, 86.6525

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.



20.1793, 32.0997, 81.6178



49.7244, 32.0997, 23.6538



16.9742, 32.0997, 24.1982

Square

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



49.7244, 32.0997, 23.6538



26.2566, 32.0997, 6.0708



17.0186, 32.0997, 49.3712



35.1991, 32.0997, 104.8098

Rectangle

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



49.7244, 32.0997, 23.6538



38.0363, 32.0997, 6.9233



17.0186, 32.0997, 49.3712



24.0481, 32.0997, 99.4567

Sweetspot

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



49.7252, 32.1015, 23.6543



76.5695, 71.9118, 75.3862



54.3099, 32.8224, 98.0801



15.8397, 14.5629, 15.1220



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.



49.7252, 32.1015, 23.6543



45.9364, 26.7846, 15.4206



54.4594, 43.9400, 17.9254



18.1344, 18.0371, 19.3251



21.8133, 11.2146, 2.4015



2.1572, 1.1052, 0.4090

Inverse Universe

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



49.7252, 32.1015, 23.6543



45.9364, 26.7846, 15.4206



45.5460, 54.2435, 102.6767



18.1344, 18.0371, 19.3251



21.8133, 11.2146, 2.4015



2.1572, 1.1052, 0.4090

Previews

White Background



This preview shows how the XYZ color 49.7244, 32.0997, 23.6538 looks on a white background.

Color Contrast Check

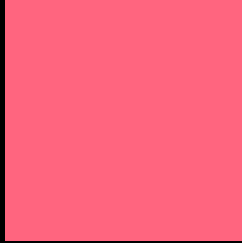
Large Text (above 18pt) WCAG AA × Fail

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 49.7244, 32.0997, 23.6538 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 49.7244, 32.0997, 23.6538

Background



This preview shows how black text looks on a background with the XYZ color 49.7244, 32.0997, 23.6538.



This preview shows how white text looks on a background with the XYZ color 49.7244, 32.0997,

23.6538.

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

49.7244, 32.0997, 23.6538

Protanopia

31.1286, 32.2837, 35.1626

Deuteranopia

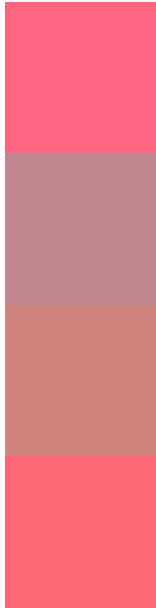
32.8025, 32.2392, 22.2632



Tritanopia

48.6926, 32.1192, 18.6722

Trichromacy



Original Color

49.7244, 32.0997, 23.6538

Protanomaly

35.5515, 30.4013, 30.3798

Deuteranomaly

37.4236, 30.9281, 22.7362

Tritanomaly

48.9342, 32.0557, 20.4379

Monochromacy



Original Color

49.7244, 32.0997, 23.6538

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.8728, 29.1469, 29.4318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7244, 32.0997, 23.6538 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, 101, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 127)  
}
```

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, 101, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 127) }
```

Border

The CSS property to change the border of an element to XYZ 49.7244, 32.0997, 23.6538 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, 101, 127) }
```


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

```
.border{ border-color:rgb(255, 101, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7244, 32.0997, 23.6538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 127) }
```

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

```
.background{ background-color: rgb(255,  
101, 127) }
```

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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