

Converting Colors

XYZ(49.6860, 32.2406, 22.9694)

Have a look what the booklet for
XYZ(49.6860, 32.2406, 22.9694)
contains.

XYZ(49.6930, 32.2434, 23.0065)	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(49.6930, 32.2434,
23.0065)**

Conversions

Conversions Part 1

Format	Color
Hex	FF667D
RGB	255, 102, 125
RGB Percent	100%, 40%, 49%
CMY	0.0000, 0.6000, 0.5098
CMYK	0.00, 0.60, 0.51, 0.00
HSL	351°, 100%, 70%
HSV	351°, 60%, 100%
XYZ	49.6930, 32.2434, 23.0065
YIQ	150.3690, 83.8050, 39.5890

Conversions

Conversions Part 2

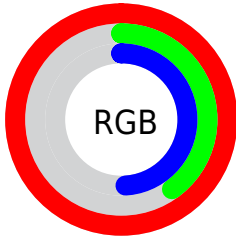
Format	Color
R _Y B	255, 102, 125
Decimal	16737917
CIE Lab	63.54, 59.94, 18.02
CIE LCh	64, 62.590, 16.734
Yxy	32.2434, 0.4735, 0.3072
Android (android.graphics.Color)	4294927997 (0xFFFF667D)
YUV	150.3690, -12.5069, 91.7614
Hunter-Lab	56.7833, 56.8408, 15.7262

Details

The XYZ color **49.6930, 32.2434, 23.0065** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.8070, 80.1717, 88.8833**, and the grayscale version is **29.1741, 30.6934, 33.4251**.

A 20% lighter version of the original color is **61.5739, 49.2306, 47.8521**, and **24.1248, 13.5152, 8.1747** is the 20% darker color. If you saturate the color by 10%, you get **46.3244, 27.4852, 15.7833**, and if you desaturate by 10%, it is **54.1356, 38.6667, 32.0777**.

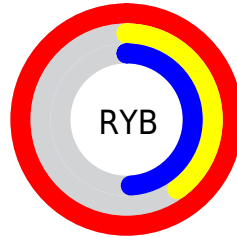
Distribution



Red (100%)

Green (40%)

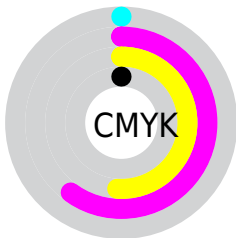
Blue (49%)



Red (100%)

Yellow (40%)

Blue (49%)

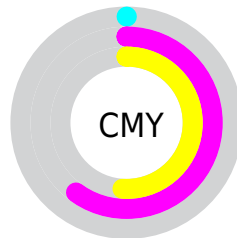


Cyan (0%)

Magenta (60%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6930, 32.2434, 23.0065 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 49.6930, 32.2434, 23.0065 by changing the saturation by 10% instead.


 49.6930, 32.2434,
23.0065


 49.6930, 32.2434,
23.0065


375.9360,
312.2265, 280.8814


 35.3863, 21.5475,
14.3930


 88.9144, 63.1925,
49.3273


 24.1285, 13.5248,
8.2526


 114.5598, 84.2144,
67.8717

 15.5542, 7.7909,
4.1669


 144.7155,
109.4471, 90.5634

 9.2981, 3.9614,
1.7174

 179.7469,
139.2751, 117.8211

 4.9948, 1.6520,
0.3726

220.0193,
174.0826, 150.0631

 2.2789, 0.3923,
0.0000

265.8980,

 0.7839, 0.0000,

214.2540, 187.7082

0.0000

317.7485,
260.1739, 231.1748

■ 0.0000, 0.0000,
0.0000

■ 49.6930, 32.2434,
23.0065

■ 49.6930, 32.2434,
23.0065

■ 46.3244, 27.4852,
15.7833

■ 54.1356, 38.6667,
32.0777

■ 43.9343, 24.2325,
10.2777

■ 59.7318, 46.8851,
43.1118

■ 42.4140, 22.3034,
6.3441

■ 66.5564, 57.0216,
56.2159

■ 41.5951, 21.4022,
3.8004

■ 74.6772, 69.1869,
71.4891

■ 41.5949, 21.4019,
3.7997

■ 84.1568, 83.4833,
89.0239

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.



50.0568, 32.2434, 47.3330



49.6930, 32.2434, 23.0065



43.6490, 32.2434, 10.4493

Triad

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



49.6930, 32.2434, 23.0065



19.9774, 32.2434, 11.3935



26.9541, 32.2434, 105.7514

Complementary

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



49.6930, 32.2434, 23.0065



55.8070, 80.1717, 88.8833

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.



20.5223, 32.2434, 83.0300



49.6930, 32.2434, 23.0065



17.0412, 32.2434, 25.1924

Square

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



49.6930, 32.2434, 23.0065



26.0634, 32.2434, 6.2633



17.2196, 32.2434, 50.8460



35.7374, 32.2434, 104.1887

Rectangle

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



49.6930, 32.2434, 23.0065



37.7655, 32.2434, 6.8758



17.2196, 32.2434, 50.8460



24.4834, 32.2434, 100.3681

Sweetspot

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



49.6938, 32.2452, 23.0071



76.4594, 71.8678, 74.8063



55.2754, 33.4651, 98.1534



15.8134, 14.5524, 14.9832



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.



49.6938, 32.2452, 23.0071



45.7705, 26.7182, 14.5470



55.0308, 45.0038, 18.3590



18.1206, 18.0316, 19.2522



21.7674, 11.1962, 2.1595



2.1506, 1.1026, 0.3746

Inverse Universe

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



49.6938, 32.2452, 23.0071



45.7705, 26.7182, 14.5470



45.1240, 53.2323, 102.5039



18.1206, 18.0316, 19.2522



21.7674, 11.1962, 2.1595



2.1506, 1.1026, 0.3746

Previews

White Background



This preview shows how the XYZ color 49.6930, 32.2434, 23.0065 looks on a white background.

Color Contrast Check

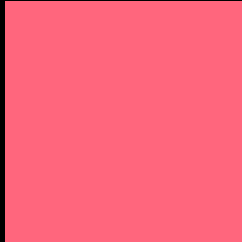
Large Text (above 18pt) WCAG AA × Fail

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 49.6930, 32.2434, 23.0065 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 49.6930, 32.2434, 23.0065

Background



This preview shows how black text looks on a background with the XYZ color 49.6930, 32.2434, 23.0065.

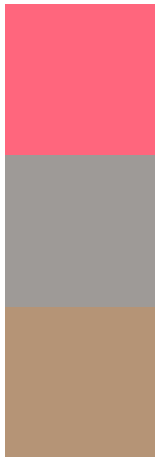


This preview shows how white text looks on a background with the XYZ color 49.6930, 32.2434,

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

49.6930, 32.2434, 23.0065

Protanopia

31.2421, 32.6147, 33.9268

Deuteranopia

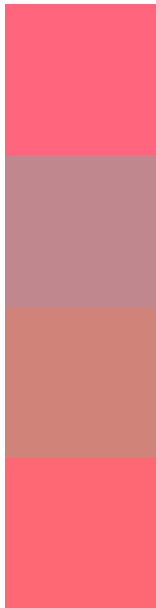
32.9160, 32.3116, 21.6414



Tritanopia

48.6926, 32.1192, 18.6722

Trichromacy



Original Color

49.6930, 32.2434, 23.0065

Protanomaly

35.5388, 30.6184, 29.6280

Deuteranomaly

37.5799, 31.0230, 22.0965

Tritanomaly

48.8757, 32.0323, 20.1298

Monochromacy



Original Color

49.6930, 32.2434, 23.0065

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.9343, 29.3895, 29.0835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6930, 32.2434, 23.0065 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, 102, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 125)  
}
```

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, 102, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 125) }
```

Border

The CSS property to change the border of an element to XYZ 49.6930, 32.2434, 23.0065 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, 102, 125) }
```


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

```
.border{ border-color:rgb(255, 102, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6930, 32.2434, 23.0065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 125) }
```

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

```
.background{ background-color: rgb(255,  
102, 125) }
```

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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