

# Converting Colors

XYZ(49.6405, 32.2224, 22.7297)

Have a look what the booklet for  
XYZ(49.6405, 32.2224, 22.7297)  
contains.

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# Color

**XYZ(49.6295, 32.2180,  
22.6717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF667C
RGB	255, 102, 124
RGB Percent	100%, 40%, 49%
CMY	0.0000, 0.6000, 0.5137
CMYK	0.00, 0.60, 0.51, 0.00
HSL	351°, 100%, 70%
HSV	351°, 60%, 100%
XYZ	49.6295, 32.2180, 22.6717
YIQ	150.2550, 84.1260, 39.2780

# Conversions

## Conversions Part 2

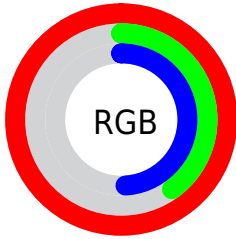
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 102, 124
Decimal	16737916
CIE <sub>Lab</sub>	63.52, 59.86, 18.57
CIE <sub>LCh</sub>	64, 62.671, 17.232
Yxy	32.2180, 0.4748, 0.3082
Android (android.graphics.Color)	4294927996 (0xFFFF667C)
YUV	150.2550, -12.9437, 91.8614
Hunter-Lab	56.7609, 56.7418, 16.0507

# Details

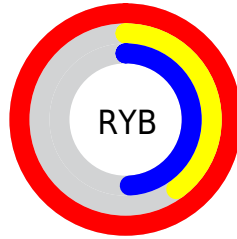
The XYZ color **49.6295, 32.2180, 22.6717** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.9496, 80.2288, 89.6338**, and the grayscale version is **29.1273, 30.6442, 33.3715**.

A 20% lighter version of the original color is **61.3033, 48.8483, 47.2719**, and **24.0903, 13.5014, 7.9929** is the 20% darker color. If you saturate the color by 10%, you get **46.2661, 27.4619, 15.4758**, and if you desaturate by 10%, it is **54.0707, 38.6408, 31.7355**.

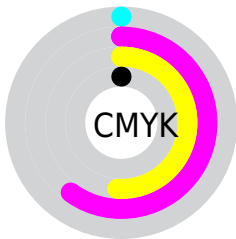
# Distribution



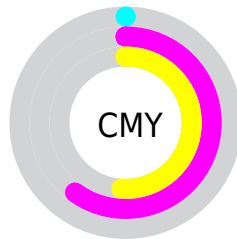
- Red (100%)
- Green (40%)
- Blue (49%)



- 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 49.6295, 32.2180, 22.6717 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 49.6295, 32.2180, 22.6717 by changing the saturation by 10% instead.





 49.6295, 32.2180,  
22.6717

 49.6295, 32.2180,  
22.6717


375.6913,  
312.1111, 279.1013

 35.3357, 21.5281,  
14.1483

 88.8208, 63.1527,  
48.7700


 24.0893, 13.5105,  
8.0839


 114.4490, 84.1662,  
67.1820

 15.5250, 7.7810,  
4.0602


 144.5860,  
109.3898, 89.7273

 9.2774, 3.9552,  
1.6584

 179.5973,  
139.2077, 116.8243

 4.9811, 1.6485,  
0.3320

219.8480,  
174.0044, 148.8917

 2.2708, 0.3900,  
0.0000

265.7037,

 0.7797, 0.0000,

214.1643, 186.3480

0.0000

317.5297,  
260.0717, 229.6117

■ 0.0000, 0.0000,  
0.0000

■ 49.6295, 32.2180,  
22.6717

■ 49.6295, 32.2180,  
22.6717

■ 46.2661, 27.4619,  
15.4758

■ 54.0707, 38.6408,  
31.7355

■ 43.8844, 24.2125,  
10.0144

■ 59.6698, 46.8603,  
42.7847

■ 42.3749, 22.2878,  
6.1382

■ 66.5019, 56.9998,  
55.9286

■ 41.5686, 21.3916,  
3.6607

■ 74.6353, 69.1702,  
71.2684

■ 41.5684, 21.3914,  
3.6600

■ 84.1330, 83.4738,  
88.8984

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



50.0983, 32.2180, 46.8208



49.6295, 32.2180, 22.6717



43.5022, 32.2180, 10.2903

# Triad

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



49.6295, 32.2180, 22.6717



19.8726, 32.2180, 11.5052



27.0582, 32.2180, 106.0169

# Complementary

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



49.6295, 32.2180, 22.6717



55.9496, 80.2288, 89.6338

# 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.



20.5743, 32.2180, 83.5694



49.6295, 32.2180, 22.6717



16.9883, 32.2180, 25.4868

# Square

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



49.6295, 32.2180, 22.6717



25.9109, 32.2180, 6.2744



17.2180, 32.2180, 51.3477



35.8726, 32.2180, 104.0023



# Rectangle

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



49.6295, 32.2180, 22.6717



37.5932, 32.2180, 6.7923



17.2180, 32.2180, 51.3477



24.5711, 32.2180, 100.7578

# Sweetspot

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



49.6303, 32.2198, 22.6723



76.4206, 71.8523, 74.6022



56.0975, 33.8889, 98.1920



15.8041, 14.5487, 14.9344



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.



49.6303, 32.2198, 22.6723



45.7135, 26.6954, 14.2471



55.4527, 45.8476, 18.4996



18.1157, 18.0296, 19.2265



21.7523, 11.1902, 2.0804



2.1483, 1.1017, 0.3626



# Inverse Universe

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



49.6303, 32.2198, 22.6723



45.7135, 26.6954, 14.2471



44.5229, 52.0301, 102.3037



18.1157, 18.0296, 19.2265



21.7523, 11.1902, 2.0804



2.1483, 1.1017, 0.3626



# Previews

## White Background



This preview shows how the XYZ color 49.6295, 32.2180, 22.6717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

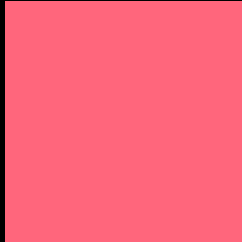
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6295, 32.2180, 22.6717 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 49.6295, 32.2180, 22.6717**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6295, 32.2180, 22.6717.



This preview shows how white text looks on a background with the XYZ color 49.6295, 32.2180,



# 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

49.6295, 32.2180, 22.6717

### Protanopia

30.9968, 32.2536, 33.4460

### Deuteranopia

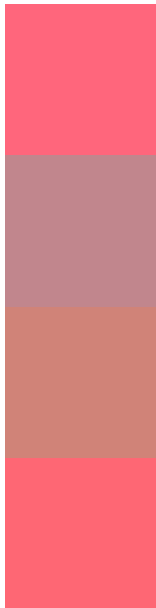
32.8568, 32.2879, 21.3301



## Tritanopia

48.6926, 32.1192, 18.6722

# Trichromacy



## Original Color

49.6295, 32.2180, 22.6717

## Protanomaly

35.3251, 30.3107, 29.1880

## Deuteranomaly

37.5189, 30.9986, 21.7752

## Tritanomaly

48.8757, 32.0323, 20.1298

# Monochromacy



## Original Color

49.6295, 32.2180, 22.6717

## 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 49.6295, 32.2180, 22.6717 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6295, 32.2180, 22.6717 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, 124) }
```



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

```
.border{ border-color:rgb(255, 102, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6295, 32.2180, 22.6717 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, 124) }
```

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

```
.background{ background-color: rgb(255,  
102, 124) }
```

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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