

Converting Colors

XYZ(60.9714, 38.3724, 20.3495)

Have a look what the booklet for
XYZ(60.9714, 38.3724, 20.3495)
contains.

XYZ(49.2848, 32.3984, 19.8756)	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(49.2848, 32.3984,
19.8756)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6873
RGB	255, 104, 115
RGB Percent	100%, 41%, 45%
CMY	0.0000, 0.5921, 0.5490
CMYK	0.00, 0.59, 0.55, 0.00
HSL	356°, 100%, 70%
HSV	356°, 59%, 100%
XYZ	49.2848, 32.3984, 19.8756
YIQ	150.4030, 86.4650, 35.4330

Conversions

Conversions Part 2

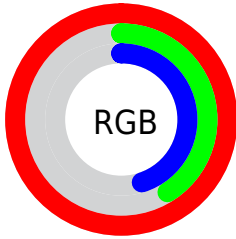
Format	Color
R _Y B	255, 104, 115
Decimal	16738419
CIE Lab	63.67, 58.28, 23.91
CIE LCh	64, 62.999, 22.305
Yxy	32.3984, 0.4853, 0.3190
Android (android.graphics.Color)	4294928499 (0xFFFF6873)
YUV	150.4030, -17.4537, 91.7316
Hunter-Lab	56.9196, 54.9480, 19.1404

Details

The XYZ color **49.2848, 32.3984, 19.8756** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.8001, 80.9954, 98.1813**, and the grayscale version is **29.2081, 30.7292, 33.4641**.

A 20% lighter version of the original color is **60.7859, 49.1916, 42.8504**, and **23.9438, 13.6195, 6.6770** is the 20% darker color. If you saturate the color by 10%, you get **45.9043, 27.5428, 12.8754**, and if you desaturate by 10%, it is **53.7915, 38.9486, 28.9728**.

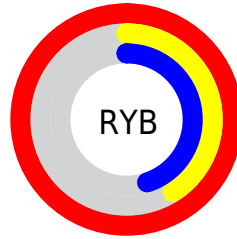
Distribution



Red (100%)

Green (41%)

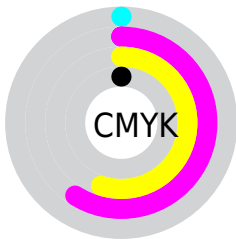
Blue (45%)



Red (100%)

Yellow (41%)

Blue (45%)

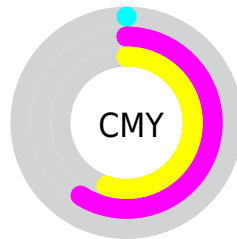


Cyan (0%)

Magenta (59%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2848, 32.3984, 19.8756 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 49.2848, 32.3984, 19.8756 by changing the saturation by 10% instead.


 49.2848, 32.3984,
19.8756


 49.2848, 32.3984,
19.8756


374.3608,
312.9301, 263.8228

 35.0609, 21.6660,
12.1215


 88.3125, 63.4351,
44.0647


 23.8765, 13.6117,
6.7029


 113.8470, 84.5082,
61.3368

 15.3663, 7.8511,
3.2014


 143.8824,
109.7970, 82.6187

 9.1649, 3.9998,
1.1984

 178.7841,
139.6859, 108.3288

 4.9068, 1.6735,
0.0000

218.9175,
174.5593, 138.8857

 2.2269, 0.4064,
0.0000

264.6478,

 0.7569, 0.0000,

214.8015, 174.7080

0.0000

316.3405,
260.7970, 216.2142

■ 0.0000, 0.0000,
0.0000

■ 49.2848, 32.3984,
19.8756

■ 49.2848, 32.3984,
19.8756

■ 45.9043, 27.5428,
12.8754

■ 53.7915, 38.9486,
28.9728

■ 43.5480, 24.2208,
7.8030

■ 59.5099, 47.3245,
40.3149

■ 42.0995, 22.2497,
4.4655

■ 66.5197, 57.6505,
54.0380

■ 41.3917, 21.3556,
2.6224

■ 74.8932, 70.0388,
70.2672

■ 41.3537, 21.3054,
2.5295

■ 84.6976, 84.5927,
89.1188

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.



50.8268, 32.3984, 42.1827



49.2848, 32.3984, 19.8756



42.3622, 32.3984, 9.1223

Triad

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



49.2848, 32.3984, 19.8756



19.2360, 32.3984, 13.1431



28.5797, 32.3984, 108.5482

Complementary

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



49.2848, 32.3984, 19.8756



57.8001, 80.9954, 98.1813

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.



21.5500, 32.3984, 89.3052



49.2848, 32.3984, 19.8756



16.8672, 32.3984, 29.1683

Square

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



49.2848, 32.3984, 19.8756



24.7990, 32.3984, 6.7305



17.6250, 32.3984, 57.0901



37.6841, 32.3984, 101.9293

Rectangle

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



49.2848, 32.3984, 19.8756



36.2375, 32.3984, 6.2976



17.6250, 32.3984, 57.0901



25.9244, 32.3984, 104.6621

Sweetspot

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



49.2856, 32.4002, 19.8762



76.0045, 71.6858, 72.4106



59.7624, 36.0735, 98.4204



15.7048, 14.5090, 14.4115



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.



49.2856, 32.4002, 19.8762



45.4111, 26.8411, 11.8322



57.5433, 49.8683, 19.6918



18.0630, 18.0085, 18.9490



21.6275, 11.1403, 1.4231



2.1236, 1.0918, 0.2321

Inverse Universe

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



49.2856, 32.4002, 19.8762



45.4111, 26.8411, 11.8322



42.6286, 47.9010, 101.6063



18.0630, 18.0085, 18.9490



21.6275, 11.1403, 1.4231



2.1236, 1.0918, 0.2321

Previews

White Background



This preview shows how the XYZ color 49.2848, 32.3984, 19.8756 looks on a white background.

Color Contrast Check

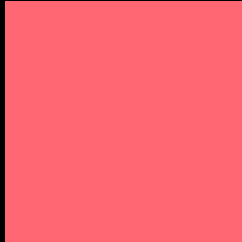
Large Text (above 18pt) WCAG AA × Fail

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 49.2848, 32.3984, 19.8756 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 49.2848, 32.3984, 19.8756

Background



This preview shows how black text looks on a background with the XYZ color 49.2848, 32.3984, 19.8756.



This preview shows how white text looks on a background with the XYZ color 49.2848, 32.3984,

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

49.2848, 32.3984, 19.8756

Protanopia

30.8410, 32.5232, 28.6969

Deuteranopia

33.0638, 32.4529, 18.7087



Tritanopia

49.1608, 32.5108, 18.7231

Trichromacy



Original Color

49.2848, 32.3984, 19.8756

Protanomaly

35.3391, 30.8221, 25.2058

Deuteranomaly

37.6988, 31.3519, 19.1035

Tritanomaly

49.2162, 32.5330, 19.0148

Monochromacy



Original Color

49.2848, 32.3984, 19.8756

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.6419, 29.2726, 27.5440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2848, 32.3984, 19.8756 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, 104, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 115)  
}
```

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, 104, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 115) }
```

Border

The CSS property to change the border of an element to XYZ 49.2848, 32.3984, 19.8756 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, 104, 115) }
```


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

```
.border{ border-color:rgb(255, 104, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2848, 32.3984, 19.8756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 115) }
```

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

```
.background{ background-color: rgb(255,  
104, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor