

Converting Colors

XYZ(49.3123, 32.0928, 20.9967)

Have a look what the booklet for
XYZ(49.3123, 32.0928, 20.9967)
contains.

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Color

**XYZ(49.3211, 32.0947,
21.0481)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6677
RGB	255, 102, 119
RGB Percent	100%, 40%, 47%
CMY	0.0000, 0.6000, 0.5333
CMYK	0.00, 0.60, 0.53, 0.00
HSL	353°, 100%, 70%
HSV	353°, 60%, 100%
XYZ	49.3211, 32.0947, 21.0481
YIQ	149.6850, 85.7310, 37.7230

Conversions

Conversions Part 2

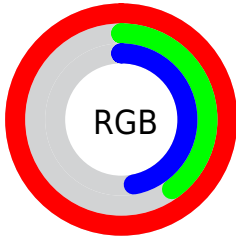
Format	Color
R_{YB}	255, 102, 119
Decimal	16737911
CIE _{Lab}	63.42, 59.46, 21.29
CIE _{LCh}	63, 63.157, 19.701
Yxy	32.0947, 0.4814, 0.3132
Android (android.graphics.Color)	4294927991 (0xFFFF6677)
YUV	149.6850, -15.1277, 92.3613
Hunter-Lab	56.6522, 56.2599, 17.6284

Details

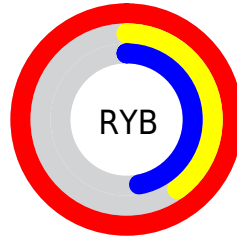
The XYZ color **49.3211, 32.0947, 21.0481** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.6742, 80.5185, 93.4500**, and the grayscale version is **28.8940, 30.3987, 33.1042**.

A 20% lighter version of the original color is **60.8175, 48.6540, 44.7138**, and **23.9576, 13.4483, 7.2943** is the 20% darker color. If you saturate the color by 10%, you get **45.9861, 27.3500, 14.0021**, and if you desaturate by 10%, it is **53.7528, 38.5137, 30.0617**.

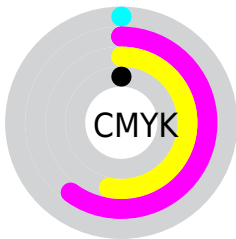
Distribution



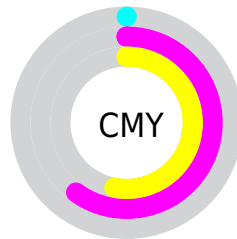
- Red (100%)
- Green (40%)
- Blue (47%)



- Red (100%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (60%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3211, 32.0947, 21.0481 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 49.3211, 32.0947, 21.0481 by changing the saturation by 10% instead.


 49.3211, 32.0947,
21.0481


 49.3211, 32.0947,
21.0481


374.5011,
311.5504, 270.3234


 35.0898, 21.4338,
12.9676


 88.3660, 62.9595,
46.0494


 23.8989, 13.4415,
7.2758


 113.9104, 83.9323,
63.8073

 15.3830, 7.7333,
3.5541


 143.9566,
109.1111, 85.6280

 9.1767, 3.9247,
1.3841

 178.8698,
138.8804, 111.9301

 4.9146, 1.6316,
0.1292

219.0155,
173.6246, 143.1322

 2.2315, 0.3787,
0.0000

264.7591,

 0.7593, 0.0000,

213.7281, 179.6527

0.0000

316.4658,
259.5752, 221.9103

■ 0.0000, 0.0000,
0.0000

■ 49.3211, 32.0947,
21.0481

■ 49.3211, 32.0947,
21.0481

■ 45.9861, 27.3500,
14.0021

■ 53.7528, 38.5137,
30.0617

■ 43.6488, 24.1183,
8.7743

■ 59.3638, 46.7380,
41.1740

■ 42.1959, 22.2161,
5.1958

■ 66.2318, 56.8919,
54.5066

■ 41.4534, 21.3455,
3.0546

■ 74.4270, 69.0870,
70.1714

■ 41.4532, 21.3453,
3.0540

■ 84.0141, 83.4264,
88.2725

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.



50.3144, 32.0947, 44.3227



49.3211, 32.0947, 21.0481



42.7798, 32.0947, 9.5188

Triad

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



49.3211, 32.0947, 21.0481



19.3551, 32.0947, 12.0735



27.5851, 32.0947, 107.3749

Complementary

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



49.3211, 32.0947, 21.0481



56.6742, 80.5185, 93.4500

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.



20.8363, 32.0947, 86.3179



49.3211, 32.0947, 21.0481



16.7263, 32.0947, 26.9943

Square

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



49.3211, 32.0947, 21.0481



25.1600, 32.0947, 6.3288



17.2107, 32.0947, 53.9123



36.5581, 32.0947, 103.0972

Rectangle

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



49.3211, 32.0947, 21.0481



36.7451, 32.0947, 6.3841



17.2107, 32.0947, 53.9123



25.0147, 32.0947, 102.7429

Sweetspot

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



49.3219, 32.0965, 21.0486



76.2279, 71.7752, 73.5871



57.7776, 34.7551, 98.2704



15.7581, 14.5303, 14.6919



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.



49.3219, 32.0965, 21.0486



45.4414, 26.5866, 12.8139



56.3233, 47.5890, 18.7899



18.0914, 18.0199, 19.0983



21.6864, 11.1638, 1.7330



2.1369, 1.0971, 0.3025

Inverse Universe

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



49.3219, 32.0965, 21.0486



45.4414, 26.5866, 12.8139



43.3502, 49.6848, 101.9125



18.0914, 18.0199, 19.0983



21.6864, 11.1638, 1.7330



2.1369, 1.0971, 0.3025

Previews

White Background



This preview shows how the XYZ color 49.3211, 32.0947, 21.0481 looks on a white background.

Color Contrast Check

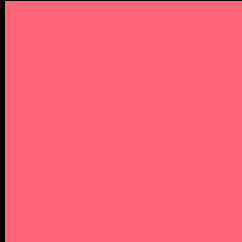
Large Text (above 18pt) WCAG AA × Fail

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 49.3211, 32.0947, 21.0481 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 49.3211, 32.0947, 21.0481

Background



This preview shows how black text looks on a background with the XYZ color 49.3211, 32.0947, 21.0481.



This preview shows how white text looks on a background with the XYZ color 49.3211, 32.0947,

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

49.3211, 32.0947, 21.0481

Protanopia

30.7233, 32.1670, 30.9751

Deuteranopia

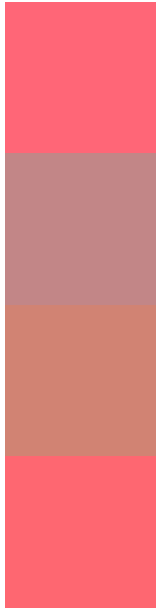
32.6498, 31.9824, 19.7816



Tritanopia

48.6378, 32.0972, 18.3837

Trichromacy



Original Color

49.3211, 32.0947, 21.0481

Protanomaly

35.1464, 30.2688, 26.9117

Deuteranomaly

37.5053, 31.0257, 20.2315

Tritanomaly

48.7039, 31.9636, 19.2254

Monochromacy



Original Color

49.3211, 32.0947, 21.0481

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.7868, 29.3305, 28.3067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3211, 32.0947, 21.0481 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 119) }
```

Border

The CSS property to change the border of an element to XYZ 49.3211, 32.0947, 21.0481 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, 119) }
```


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

```
.border{ border-color:rgb(255, 102, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3211, 32.0947, 21.0481 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, 119) }
```

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

```
.background{ background-color: rgb(255,  
102, 119) }
```

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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