

Converting Colors

XYZ(49.8334, 33.7507, 39.1122)

Have a look what the booklet for
XYZ(49.8334, 33.7507, 39.1122)
contains.

XYZ(49.9142, 33.7237, 39.0005)	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(49.9142, 33.7237,
39.0005)**

Conversions

Conversions Part 1

Format	Color
Hex	F471A4
RGB	244, 113, 164
RGB Percent	96%, 44%, 64%
CMY	0.0431, 0.5568, 0.3569
CMYK	0.00, 0.54, 0.33, 0.04
HSL	337°, 86%, 70%
HSV	337°, 54%, 96%
XYZ	49.9142, 33.7237, 39.0005
YIQ	157.9830, 61.7050, 43.6330

Conversions

Conversions Part 2

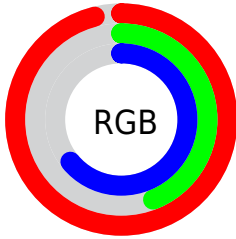
Format	Color
R_{YB}	244, 113, 164
Decimal	16019876
CIE _{Lab}	64.74, 55.37, -2.83
CIE _{LCh}	65, 55.440, 357.079
Yxy	33.7237, 0.4070, 0.2750
Android (android.graphics.Color)	4294209956 (0xFFFF471A4)
YUV	157.9830, 2.9664, 75.4369
Hunter-Lab	58.0721, 51.7983, 0.8321

Details

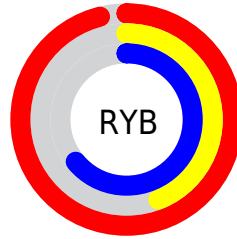
The XYZ color **49.9142, 33.7237, 39.0005** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.7882, 72.0632, 61.7943**, and the grayscale version is **32.4602, 34.1507, 37.1901**.

A 20% lighter version of the original color is **68.2141, 54.7504, 73.9904**, and **24.1549, 14.2865, 16.8137** is the 20% darker color. If you saturate the color by 10%, you get **46.2808, 28.4858, 31.5343**, and if you desaturate by 10%, it is **54.4388, 40.4913, 47.5423**.

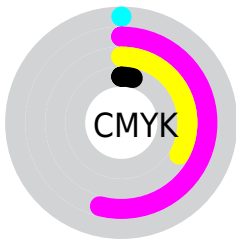
Distribution



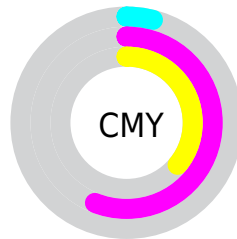
- Red (96%)
- Green (44%)
- Blue (64%)



- Red (96%)
- Yellow (44%)
- Blue (64%)



- Cyan (0%)
- Magenta (54%)
- Yellow (33%)
- Black (4%)





- Cyan (4%)
- Magenta (56%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9142, 33.7237, 39.0005 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 49.9142, 33.7237, 39.0005 by changing the saturation by 10% instead.


 49.9142, 33.7237,
39.0005

 49.9142, 33.7237,
39.0005

376.7879,
318.8983, 357.3186


 35.5627, 22.6814,
26.4523


 89.2403, 65.5038,
74.8594

 24.2652, 14.3584,
16.9335


 114.9457, 87.0103,
99.0072

 15.6563, 8.3704,
10.0256


 145.1664,
112.7738, 127.8586

 9.3706, 4.3329,
5.3101

180.2679,
143.1786, 161.8322

 5.0427, 1.8614,
2.3685

220.6154,
178.6090, 201.3464

 2.3074, 0.5250,
0.7692

266.5743,

 0.7984, 0.0000,

219.4495, 246.8199

0.0000

318.5100,
266.0845, 298.6711

■ 0.0000, 0.0000,
0.0000

■ 49.9142, 33.7237,
39.0005

■ 49.9142, 33.7237,
39.0005

■ 46.2808, 28.4858,
31.5343

■ 54.4388, 40.4913,
47.5423

■ 43.4703, 24.6501,
25.0934

■ 59.9103, 48.8923,
57.2030

■ 41.4082, 22.0768,
19.6250

■ 66.3831, 59.0273,
68.0251

■ 40.0037, 20.5939,
15.0686

■ 73.9064, 70.9874,
80.0483

■ 39.3732, 20.0591,
12.6195

■ 82.5262, 84.8571,
93.3104

90.8633, 97.8711,
107.3731

91.1183, 97.9731,
108.7160

Harmonies

Analogous

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



46.7076, 33.7237, 66.0941



49.9142, 33.7237, 39.0005



47.7180, 33.7237, 20.1507

Triad

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



49.9142, 33.7237, 39.0005



25.5738, 33.7237, 9.8722



24.4283, 33.7237, 87.2263

Complementary

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



49.9142, 33.7237, 39.0005



48.7882, 72.0632, 61.7943

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.



20.2576, 33.7237, 60.5287



49.9142, 33.7237, 39.0005



20.8379, 33.7237, 17.6652

Square

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



49.9142, 33.7237, 39.0005



32.8403, 33.7237, 8.0220



19.0600, 33.7237, 34.5290



31.2791, 33.7237, 100.2671

Rectangle

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



49.9142, 33.7237, 39.0005



43.6572, 33.7237, 13.0520



19.0600, 33.7237, 34.5290



22.7127, 33.7237, 79.1241

Sweetspot

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



49.9151, 33.7254, 39.0011



79.6318, 75.1723, 85.2365



43.8730, 29.4983, 88.9694



16.6688, 15.4914, 17.6476



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.



49.9151, 33.7254, 39.0011



50.9941, 31.2574, 34.5019



47.7639, 35.3746, 19.9356



16.7662, 16.5893, 18.5154



21.4711, 10.9319, 7.1891



1.9359, 0.9803, 0.8890

Inverse Universe

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



49.9151, 33.7254, 39.0011



50.9941, 31.2574, 34.5019



51.6884, 67.1392, 95.8230



16.7662, 16.5893, 18.5154



21.4711, 10.9319, 7.1891



1.9359, 0.9803, 0.8890

Previews

White Background



This preview shows how the XYZ color 49.9142, 33.7237, 39.0005 looks on a white background.

Color Contrast Check

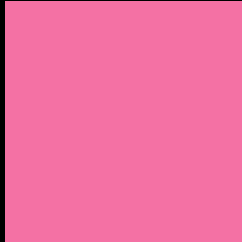
Large Text (above 18pt) WCAG AA × Fail

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 49.9142, 33.7237, 39.0005 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 49.9142, 33.7237, 39.0005

Background



This preview shows how black text looks on a background with the XYZ color 49.9142, 33.7237, 39.0005.



This preview shows how white text looks on a background with the XYZ color 49.9142, 33.7237,

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

49.9142, 33.7237, 39.0005

Protanopia

33.8701, 34.0226, 54.0721

Deuteranopia

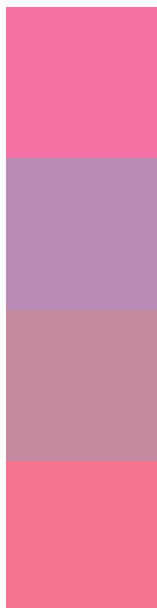
34.4130, 33.6958, 37.0379



Tritanopia

46.8884, 33.6922, 24.4540

Trichromacy



Original Color

49.9142, 33.7237, 39.0005

Protanomaly

37.4857, 32.2827, 47.9715

Deuteranomaly

38.7223, 32.7208, 37.5326

Tritanomaly

47.7870, 33.5229, 29.1512

Monochromacy



Original Color

49.9142, 33.7237, 39.0005

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

37.0044, 32.7029, 37.6196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9142, 33.7237, 39.0005 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(244, 113, 164)` looks like.

```
.text, #text, p{  
    color:rgb(244, 113, 164)  
}
```

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(244, 113, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 113, 164) }
```

Border

The CSS property to change the border of an element to XYZ 49.9142, 33.7237, 39.0005 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(244, 113, 164) }
```


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

```
.border{ border-color:rgb(244, 113, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 113, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 113, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 113, 164);  
box-shadow:4px 4px 4px 4px rgb(244, 113,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9142, 33.7237, 39.0005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 113, 164) }
```

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

```
.background{ background-color: rgb(244,  
113, 164) }
```

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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