

Converting Colors

XYZ(49.2510, 33.8909, 39.2807)

Have a look what the booklet for
XYZ(49.2510, 33.8909, 39.2807)
contains.

XYZ(49.2219, 33.8719, 39.0656)	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(49.2219, 33.8719,
39.0656)**

Conversions

Conversions Part 1

Format	Color
Hex	F174A4
RGB	241, 116, 164
RGB Percent	95%, 45%, 64%
CMY	0.0549, 0.5451, 0.3569
CMYK	0.00, 0.52, 0.32, 0.05
HSL	337°, 82%, 70%
HSV	337°, 52%, 95%
XYZ	49.2219, 33.8719, 39.0656
YIQ	158.8470, 59.0920, 41.4280

Conversions

Conversions Part 2

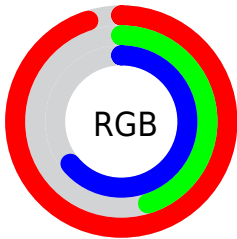
Format	Color
R_{YB}	241, 116, 164
Decimal	15824036
CIE Lab	64.86, 52.98, -2.70
CIE LCh	65, 53.054, 357.082
Yxy	33.8719, 0.4029, 0.2773
Android (android.graphics.Color)	4294014116 (0xFFFF174A4)
YUV	158.8470, 2.5404, 72.0482
Hunter-Lab	58.1996, 49.1159, 0.9422

Details

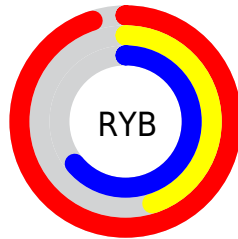
The XYZ color **49.2219, 33.8719, 39.0656** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.2852, 70.4748, 61.5141**, and the grayscale version is **32.8557, 34.5668, 37.6432**.

A 20% lighter version of the original color is **68.5891, 55.5003, 74.1154**, and **23.8848, 14.4524, 16.8600** is the 20% darker color. If you saturate the color by 10%, you get **45.5320, 28.5139, 31.6024**, and if you desaturate by 10%, it is **53.7907, 40.7368, 47.5947**.

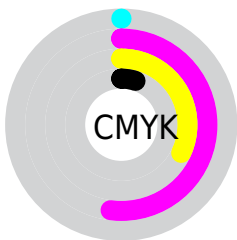
Distribution



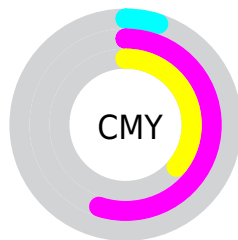
- Red (95%)
- Green (45%)
- Blue (64%)



- Red (95%)
- Yellow (45%)
- Blue (64%)



- Cyan (0%)
- Magenta (52%)
- Yellow (32%)
- Black (5%)





- Cyan (5%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2219, 33.8719, 39.0656 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 49.2219, 33.8719, 39.0656 by changing the saturation by 10% instead.


 49.2219, 33.8719,
39.0656


 49.2219, 33.8719,
39.0656

374.1177,
319.5605, 357.6036


 35.0108, 22.7952,
26.5025


 88.2197, 65.7344,
74.9600

 23.8377, 14.4424,
16.9708

 113.7371, 87.2890,
99.1284

 15.3374, 8.4290,
10.0520


 143.7539,
113.1051, 128.0023

 9.1444, 4.3706,
5.3274

178.6356,
143.5669, 162.0002

 4.8933, 1.8830,
2.3785

218.7475,
179.0590, 201.5408

 2.2189, 0.5381,
0.7747

264.4549,

 0.7527, 0.0000,

219.9657, 247.0426

0.0000

316.1232,
266.6714, 298.9240

■ 0.0000, 0.0000,
0.0000

■ 49.2219, 33.8719,
39.0656

■ 49.2219, 33.8719,
39.0656

■ 45.5320, 28.5139,
31.6024

■ 53.7907, 40.7368,
47.5947

■ 42.6558, 24.5416,
25.1559

■ 59.2915, 49.2072,
57.2315

■ 40.5231, 21.8235,
19.6750

■ 65.7764, 59.3793,
68.0179

■ 39.0491, 20.1994,
15.1019

■ 73.2926, 71.3402,
79.9924

■ 38.2311, 19.4830,
11.9943

■ 81.8843, 85.1710,
93.1920

89.7779, 97.3177,
107.0467

90.0857, 97.4408,
108.6677

Harmonies

Analogous

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



46.1796, 33.8719, 64.8195



49.2219, 33.8719, 39.0656



47.1380, 33.8719, 20.8411

Triad

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



49.2219, 33.8719, 39.0656



25.9541, 33.8719, 10.6601



24.8476, 33.8719, 84.7183

Complementary

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



49.2219, 33.8719, 39.0656



48.2852, 70.4748, 61.5141

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.



20.7985, 33.8719, 59.5624



49.2219, 33.8719, 39.0656



21.3627, 33.8719, 18.4055

Square

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



49.2219, 33.8719, 39.0656



32.9483, 33.8719, 8.7876



19.6306, 33.8719, 34.7789



31.4517, 33.8719, 96.9359

Rectangle

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



49.2219, 33.8719, 39.0656



43.2787, 33.8719, 13.8412



19.6306, 33.8719, 34.7789



23.1851, 33.8719, 77.1064

Sweetspot

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



49.2229, 33.8736, 39.0662



79.6013, 75.1601, 85.0762



43.6101, 29.9201, 86.6960



16.6616, 15.4886, 17.6095



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.



49.2229, 33.8736, 39.0662



51.6431, 32.2460, 35.6723



47.2139, 35.5327, 20.8952



16.0240, 15.8593, 17.6825



20.7927, 10.5895, 6.8250



1.7769, 0.8998, 0.8161

Inverse Universe

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



49.2229, 33.8736, 39.0662



51.6431, 32.2460, 35.6723



50.9621, 65.8272, 93.2393



16.0240, 15.8593, 17.6825



20.7927, 10.5895, 6.8250



1.7769, 0.8998, 0.8161

Previews

White Background



This preview shows how the XYZ color 49.2219, 33.8719, 39.0656 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 49.2219, 33.8719, 39.0656 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 49.2219, 33.8719, 39.0656

Background



This preview shows how black text looks on a background with the XYZ color 49.2219, 33.8719, 39.0656.



This preview shows how white text looks on a background with the XYZ color 49.2219, 33.8719,

39.0656.

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

49.2219, 33.8719, 39.0656

Protanopia

33.8363, 34.0304, 52.9293

Deuteranopia

34.7964, 34.1353, 37.1026



Tritanopia

46.3162, 33.7349, 25.5431

Trichromacy



Original Color

49.2219, 33.8719, 39.0656

Protanomaly

37.5303, 32.5354, 47.4819

Deuteranomaly

39.0119, 33.3000, 37.6291

Tritanomaly

47.2710, 33.7668, 30.0128

Monochromacy



Original Color

49.2219, 33.8719, 39.0656

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

37.2417, 33.0369, 38.1321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2219, 33.8719, 39.0656 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(241, 116, 164)` looks like.

```
.text, #text, p{  
    color:rgb(241, 116, 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(241, 116, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 116, 164) }
```

Border

The CSS property to change the border of an element to XYZ 49.2219, 33.8719, 39.0656 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(241, 116, 164) }
```


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

```
.border{ border-color:rgb(241, 116, 164) }
```

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

Here you see how a box with a 4 pixel rgb(241, 116, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 116, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 116, 164);  
box-shadow:4px 4px 4px 4px rgb(241, 116,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2219, 33.8719, 39.0656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 116, 164) }
```

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

```
.background{ background-color: rgb(241,  
116, 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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