

Converting Colors

XYZ(49.8213, 28.3933, 37.5750)

Have a look what the booklet for
XYZ(49.8213, 28.3933, 37.5750)
contains.

XYZ(49.8013, 28.3499, 37.4976)	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(49.8013, 28.3499,
37.4976)**

Conversions

Conversions Part 1

Format	Color
Hex	FE48A3
RGB	254, 72, 163
RGB Percent	100%, 28%, 64%
CMY	0.0039, 0.7176, 0.3608
CMYK	0.00, 0.72, 0.36, 0.00
HSL	330°, 99%, 64%
HSV	330°, 72%, 100%
XYZ	49.8013, 28.3499, 37.4976
YIQ	136.7920, 79.2610, 66.8850

Conversions

Conversions Part 2

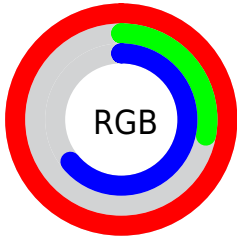
Format	Color
R_{YB}	254, 72, 163
Decimal	16664739
CIE _{Lab}	60.20, 74.63, -8.80
CIE _{LCh}	60, 75.146, 353.273
Yxy	28.3499, 0.4306, 0.2451
Android (android.graphics.Color)	4294854819 (0xFFFE48A3)
YUV	136.7920, 12.9205, 102.7914
Hunter-Lab	53.2446, 73.7783, -4.4838

Details

The XYZ color **49.8013, 28.3499, 37.4976** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **44.7271, 74.9066, 46.7566**, and the grayscale version is **23.6330, 24.8638, 27.0767**.

A 20% lighter version of the original color is **62.4200, 43.3722, 71.4114**, and **24.6075, 12.3542, 16.1266** is the 20% darker color. If you saturate the color by 10%, you get **47.4033, 25.2846, 31.3629**, and if you desaturate by 10%, it is **52.9929, 32.8193, 44.4612**.

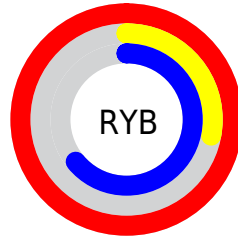
Distribution



Red (100%)

Green (28%)

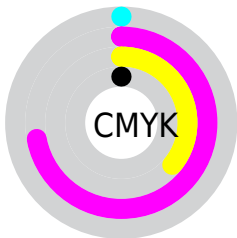
Blue (64%)



Red (100%)

Yellow (28%)

Blue (64%)

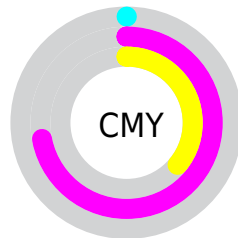


Cyan (0%)

Magenta (72%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (72%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8013, 28.3499, 37.4976 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 49.8013, 28.3499, 37.4976 by changing the saturation by 10% instead.


 49.8013, 28.3499,
37.4976


 49.8013, 28.3499,
37.4976


376.3532,
294.1351, 350.6932


 35.4727, 18.5896,
25.2942


 89.0740, 57.0426,
72.5323

 24.1954, 11.3741,
16.0754


 114.7488, 76.7438,
96.2007

 15.6042, 6.3191,
9.4226


 144.9363,
100.5273, 124.5278

 9.3336, 3.0400,
4.9173

 180.0020,
128.7777, 157.9321

 5.0182, 1.1527,
2.1409

220.3112,
161.8793, 196.8323

 2.2928, 0.0225,
0.6400

266.2293,

 0.7910, 0.0000,

200.2164, 241.6469

0.0000

318.1215,
244.1736, 292.7943

■ 0.0000, 0.0000,
0.0000

■ 49.8013, 28.3499,
37.4976

■ 49.8013, 28.3499,
37.4976

■ 47.4033, 25.2846,
31.3629

■ 52.9929, 32.8193,
44.4612

■ 45.7036, 23.4384,
26.0080


■ 57.0532, 38.8383,
52.2940


■ 44.7034, 22.6030,
22.0828

■ 62.0509, 46.5390,
61.0342

■ 68.0467, 56.0381,
70.7168

■ 75.0960, 67.4418,
81.3744

 83.2498, 80.8478,
93.0377

 92.5559, 96.3474,
105.7359

94.6831, 99.8109,
108.8828

Harmonies

Analogous

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



44.6525, 28.3499, 74.6099



49.8013, 28.3499, 37.4976



47.7555, 28.3499, 14.3141

Triad

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



49.8013, 28.3499, 37.4976



20.2792, 28.3499, 3.2996



17.3303, 28.3499, 95.7531

Complementary

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



49.8013, 28.3499, 37.4976



44.7271, 74.9066, 46.7566

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.



13.2770, 28.3499, 56.8807



49.8013, 28.3499, 37.4976



14.6749, 28.3499, 8.7929

Square

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



49.8013, 28.3499, 37.4976



29.1707, 28.3499, 2.4885



12.4361, 28.3499, 25.0702



24.8369, 28.3499, 119.0033

Rectangle

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



49.8013, 28.3499, 37.4976



42.7786, 28.3499, 6.9359



12.4361, 28.3499, 25.0702



15.5988, 28.3499, 83.2686

Sweetspot

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



49.8021, 28.3514, 37.4981



76.2663, 68.8573, 82.8326



35.3130, 19.5791, 95.6840



15.8761, 14.0081, 17.0686



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.



49.8021, 28.3514, 37.4981



46.9992, 24.5586, 29.1903



44.3613, 26.1751, 8.8471



18.3882, 18.1386, 20.6612



23.6426, 11.9463, 12.0345



2.3571, 1.1852, 1.4620

Inverse Universe

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



49.8021, 28.3514, 37.4981



46.9992, 24.5586, 29.1903



56.0046, 79.4176, 106.1434



18.3882, 18.1386, 20.6612



23.6426, 11.9463, 12.0345



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 49.8013, 28.3499, 37.4976 looks on a white background.

Color Contrast Check

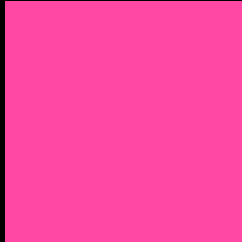
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8013, 28.3499, 37.4976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

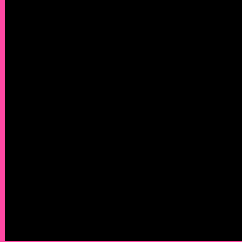
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8013, 28.3499, 37.4976

Background



This preview shows how black text looks on a background with the XYZ color 49.8013, 28.3499, 37.4976.



This preview shows how white text looks on a background with the XYZ color 49.8013, 28.3499,

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

49.8013, 28.3499, 37.4976

Protanopia

29.8925, 28.6332, 65.5793

Deuteranopia

29.0679, 28.4508, 34.5314



Tritanopia

44.7886, 28.2783, 13.9241

Trichromacy



Original Color

49.8013, 28.3499, 37.4976

Protanomaly

32.8935, 25.2755, 54.1839

Deuteranomaly

34.0694, 26.1316, 35.1465

Tritanomaly

46.2671, 28.0518, 20.7453

Monochromacy



Original Color

49.8013, 28.3499, 37.4976

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

29.9158, 23.5889, 30.1705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8013, 28.3499, 37.4976 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(254, 72, 163)` looks like.

```
.text, #text, p{  
    color:rgb(254, 72, 163)  
}
```

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(254, 72, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 72, 163) }
```

Border

The CSS property to change the border of an element to XYZ 49.8013, 28.3499, 37.4976 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(254, 72, 163) }
```


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

```
.border{ border-color:rgb(254, 72, 163) }
```

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

Here you see how a box with a 4 pixel rgb(254, 72, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 72, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 72, 163);  
box-shadow:4px 4px 4px 4px rgb(254, 72,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8013, 28.3499, 37.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 72, 163) }
```

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

```
.background{ background-color: rgb(254, 72,  
163) }
```

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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