

Converting Colors

XYZ(49.6495, 36.8047, 44.1001)

Have a look what the booklet for
XYZ(49.6495, 36.8047, 44.1001)
contains.

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Color

**XYZ(49.5908, 36.7422,
44.0134)**

Conversions

Conversions Part 1

Format	Color
Hex	EA83AD
RGB	234, 131, 173
RGB Percent	92%, 51%, 68%
CMY	0.0824, 0.4862, 0.3216
CMYK	0.00, 0.44, 0.26, 0.08
HSL	336°, 71%, 72%
HSV	336°, 44%, 92%
XYZ	49.5908, 36.7422, 44.0134
YIQ	166.5850, 47.9060, 34.8980

Conversions

Conversions Part 2

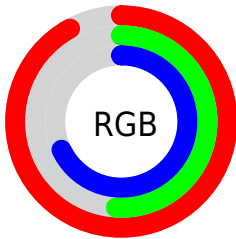
Format	Color
R_{YB}	234, 131, 173
Decimal	15369133
CIE _{Lab}	67.08, 44.41, -4.63
CIE _{LCh}	67, 44.647, 354.045
Yxy	36.7422, 0.3805, 0.2819
Android (android.graphics.Color)	4293559213 (0xFFEA83AD)
YUV	166.5850, 3.1626, 59.1230
Hunter-Lab	60.6153, 39.9581, -0.6203

Details

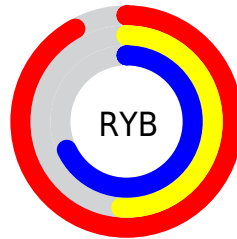
The XYZ color **49.5908, 36.7422, 44.0134** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.2991, 67.4776, 60.3515**, and the grayscale version is **36.4988, 38.3995, 41.8171**.

A 20% lighter version of the original color is **72.8025, 61.9792, 81.5249**, and **24.0801, 16.0594, 19.9198** is the 20% darker color. If you saturate the color by 10%, you get **45.5232, 30.6429, 36.3808**, and if you desaturate by 10%, it is **54.5092, 44.3200, 52.6167**.

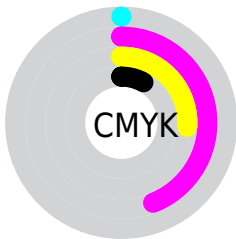
Distribution



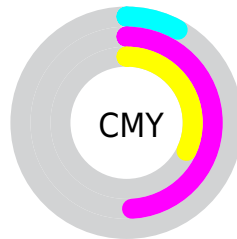
- Red (92%)
- Green (51%)
- Blue (68%)



- Red (92%)
- Yellow (51%)
- Blue (68%)



- Cyan (0%)
- Magenta (44%)
- Yellow (26%)
- Black (8%)





- Cyan (8%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5908, 36.7422, 44.0134 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 49.5908, 36.7422, 44.0134 by changing the saturation by 10% instead.


 49.5908, 36.7422,
44.0134


 49.5908, 36.7422,
44.0134

375.5421,
332.1930, 378.8059


 35.3048, 25.0080,
30.3438


 88.7637, 70.1761,
82.5406

 24.0654, 16.0830,
19.8454


 114.3814, 92.6446,
108.2352

 15.5071, 9.5829,
12.0998


 144.5071,
119.4599, 138.7753

 9.2647, 5.1233,
6.6883

179.5060,
151.0064, 174.5794

 4.9727, 2.3198,
3.1925

219.7437,
187.6686, 216.0659

 2.2659, 0.7842,
1.1937

265.5853,

 0.7771, 0.0000,

229.8309, 263.6535

0.0000

317.3963,
277.8775, 317.7606

■ 0.0000, 0.0000,
0.0000

■ 49.5908, 36.7422,
44.0134

■ 49.5908, 36.7422,
44.0134

■ 45.5232, 30.6429,
36.3808

■ 54.5092, 44.3200,
52.6167

■ 42.2508, 25.9183,
29.6784

■ 60.3233, 53.4602,
62.2245

■ 39.7157, 22.4595,
23.8656

■ 67.0781, 64.2468,
72.8714

■ 37.8503, 20.1387,
18.8965

■ 74.8151, 76.7562,
84.5893

■ 36.5727, 18.8002,
14.7197

■ 83.5727, 91.0600,
97.4090

■ 36.0160, 18.3262,
12.5636

■ 87.7418, 96.2325,
108.5580

Harmonies

Analogous

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



46.5983, 36.7422, 66.2337



49.5908, 36.7422, 44.0134



48.2600, 36.7422, 26.6178

Triad

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



49.5908, 36.7422, 44.0134



29.8661, 36.7422, 14.6458



27.8011, 36.7422, 78.5686

Complementary

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



49.5908, 36.7422, 44.0134



48.2991, 67.4776, 60.3515

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.



24.3008, 36.7422, 57.2656



49.5908, 36.7422, 44.0134



25.3805, 36.7422, 21.8168

Square

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



49.5908, 36.7422, 44.0134



36.2949, 36.7422, 13.1425



23.4757, 36.7422, 36.2496



33.5848, 36.7422, 89.9365

Rectangle

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



49.5908, 36.7422, 44.0134



45.1772, 36.7422, 19.2278



23.4757, 36.7422, 36.2496



26.3501, 36.7422, 72.0548

Sweetspot

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



49.5918, 36.7440, 44.0141



82.3699, 79.4423, 89.8677



44.4760, 33.2624, 81.9182



17.2138, 16.3342, 18.5916



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.



49.5918, 36.7440, 44.0141



55.6719, 37.7503, 44.8869



47.3471, 37.7677, 26.2695



15.3200, 15.1559, 16.9707



20.2978, 10.3218, 7.3694



1.6405, 0.8292, 0.8243

Inverse Universe

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



49.5918, 36.7440, 44.0141



55.6719, 37.7503, 44.8869



51.2506, 64.8427, 87.6568



15.3200, 15.1559, 16.9707



20.2978, 10.3218, 7.3694



1.6405, 0.8292, 0.8243

Previews

White Background



This preview shows how the XYZ color 49.5908, 36.7422, 44.0134 looks on a white background.

Color Contrast Check

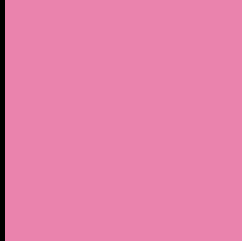
Large Text (above 18pt) WCAG AA × Fail

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 49.5908, 36.7422, 44.0134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

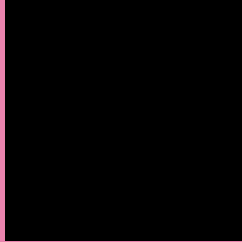
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5908, 36.7422, 44.0134

Background



This preview shows how black text looks on a background with the XYZ color 49.5908, 36.7422, 44.0134.



This preview shows how white text looks on a background with the XYZ color 49.5908, 36.7422,

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

49.5908, 36.7422, 44.0134

Protanopia

36.6465, 36.9600, 55.6546

Deuteranopia

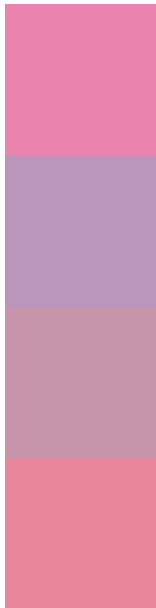
37.5975, 36.9705, 42.2002



Tritanopia

46.9475, 36.6726, 31.7982

Trichromacy



Original Color

49.5908, 36.7422, 44.0134

Protanomaly

40.1792, 36.1175, 51.3081

Deuteranomaly

41.2918, 36.4029, 42.8804

Tritanomaly

47.8046, 36.6063, 35.9986

Monochromacy



Original Color

49.5908, 36.7422, 44.0134

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

40.2029, 37.0521, 42.5690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5908, 36.7422, 44.0134 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(234, 131, 173)` looks like.

```
.text, #text, p{  
    color:rgb(234, 131, 173)  
}
```

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(234, 131, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 131, 173) }
```

Border

The CSS property to change the border of an element to XYZ 49.5908, 36.7422, 44.0134 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(234, 131, 173) }
```


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

```
.border{ border-color:rgb(234, 131, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 131, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 131, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 131, 173);  
box-shadow:4px 4px 4px 4px rgb(234, 131,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5908, 36.7422, 44.0134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 131, 173) }
```

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

```
.background{ background-color: rgb(234,  
131, 173) }
```

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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