

Converting Colors

XYZ(47.8233, 36.3824, 49.3863)

Have a look what the booklet for
XYZ(47.8233, 36.3824, 49.3863)
contains.

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Color

**XYZ(47.8128, 36.3164,
49.2895)**

Conversions

Conversions Part 1

Format	Color
Hex	E086B7
RGB	224, 134, 183
RGB Percent	88%, 53%, 72%
CMY	0.1216, 0.4745, 0.2823
CMYK	0.00, 0.40, 0.18, 0.12
HSL	327°, 59%, 70%
HSV	327°, 40%, 88%
XYZ	47.8128, 36.3164, 49.2895
YIQ	166.4960, 37.9110, 34.3190

Conversions

Conversions Part 2

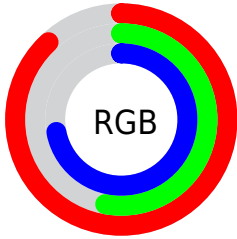
Format	Color
R _Y B	224, 134, 183
Decimal	14714551
CIE Lab	66.76, 40.93, -10.87
CIE LCh	67, 42.346, 345.119
Yxy	36.3164, 0.3584, 0.2722
Android (android.graphics.Color)	4292904631 (0xFFE086B7)
YUV	166.4960, 8.1365, 50.4310
Hunter-Lab	60.2631, 36.1617, -6.3094

Details

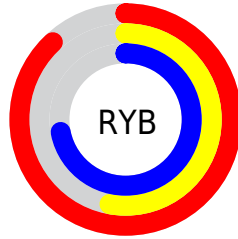
The XYZ color **47.8128, 36.3164, 49.2895** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **44.2267, 61.4758, 50.0953**, and the grayscale version is **36.4356, 38.3330, 41.7447**.

A 20% lighter version of the original color is **75.0176, 63.8872, 90.0390**, and **22.9829, 15.8618, 22.9694** is the 20% darker color. If you saturate the color by 10%, you get **44.0145, 30.3581, 42.9715**, and if you desaturate by 10%, it is **52.3460, 43.6202, 56.2332**.

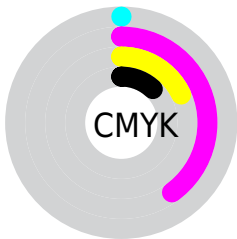
Distribution



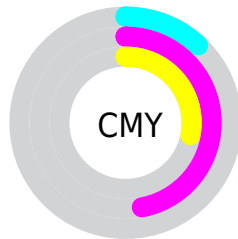
- Red (88%)
- Green (53%)
- Blue (72%)



- Red (88%)
- Yellow (53%)
- Blue (72%)



- Cyan (0%)
- Magenta (40%)
- Yellow (18%)
- Black (12%)




- Cyan (12%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8128, 36.3164, 49.2895 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 47.8128, 36.3164, 49.2895 by changing the saturation by 10% instead.


 47.8128, 36.3164,
49.2895


 47.8128, 36.3164,
49.2895

368.6446,
330.3414, 400.5361

 33.8893, 24.6787,
34.4820


 86.1370, 69.5201,
90.5067

 22.9711, 15.8378,
22.9837

 111.2684, 91.8549,
117.7535

 14.6927, 9.4095,
14.3763


 140.8665,
118.5242, 149.9837

 8.6889, 5.0092,
8.2411

175.2966,
149.9123, 187.6160

 4.5943, 2.2527,
4.1597

214.9241,
186.4037, 231.0688

 2.0435, 0.7485,
1.7133

260.1144,

 0.6582, 0.0000,

228.3827, 280.7607

0.3698

311.2328,
276.2338, 337.1103

■ 0.0000, 0.0000,
0.0000

■ 47.8128, 36.3164,
49.2895

■ 47.8128, 36.3164,
49.2895

■ 44.0145, 30.3581,
42.9715

■ 52.3460, 43.6202,
56.2332

■ 40.9044, 25.6561,
37.2547

■ 57.6504, 52.3412,
63.8213

■ 38.4354, 22.1183,
32.1152

■ 63.7639, 62.5522,
72.0744


■ 36.5526, 19.6375,
27.5263


■ 70.7208, 74.3193,
81.0113


■ 35.1909, 18.0867,
23.4574

■ 78.5533, 87.7046,
90.6498

 34.2504, 17.2513,
19.9209

 82.8649, 93.9131,
99.5314

 84.4599, 94.5511,
107.9309

 84.5506, 94.5874,
108.4086

Harmonies

Analogous

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



43.9809, 36.3164, 69.9487



47.8128, 36.3164, 49.2895



47.7963, 36.3164, 31.0524

Triad

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



47.8128, 36.3164, 49.2895



31.4097, 36.3164, 14.3635



26.5501, 36.3164, 70.1006

Complementary

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



47.8128, 36.3164, 49.2895



44.2267, 61.4758, 50.0953

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.



23.9588, 36.3164, 49.4539



47.8128, 36.3164, 49.2895



26.5196, 36.3164, 19.5399

Square

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



47.8128, 36.3164, 49.2895



37.7716, 36.3164, 14.3442



23.9484, 36.3164, 31.1733



31.4562, 36.3164, 84.2574

Rectangle

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



47.8128, 36.3164, 49.2895



45.5801, 36.3164, 22.5507



23.9484, 36.3164, 31.1733



25.4077, 36.3164, 63.4492

Sweetspot

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



47.8139, 36.3181, 49.2902



83.8893, 81.1410, 94.5059



39.5485, 31.4902, 74.5152



17.7172, 16.9678, 19.9101



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.



47.8139, 36.3181, 49.2902



59.9092, 42.0603, 59.1382



43.8907, 34.7488, 28.6310



14.0178, 13.8248, 15.8639



19.9949, 10.0650, 11.9048



1.4310, 0.7157, 1.0622

Inverse Universe

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



47.8139, 36.3181, 49.2902



59.9092, 42.0603, 59.1382



49.3405, 63.5213, 77.0244



14.0178, 13.8248, 15.8639



19.9949, 10.0650, 11.9048



1.4310, 0.7157, 1.0622

Previews

White Background



This preview shows how the XYZ color 47.8128, 36.3164, 49.2895 looks on a white background.

Color Contrast Check

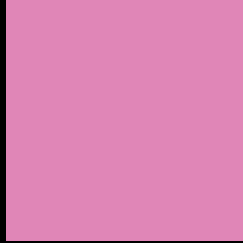
Large Text (above 18pt) WCAG AA × Fail

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 47.8128, 36.3164, 49.2895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

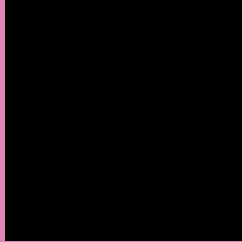
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8128, 36.3164, 49.2895

Background



This preview shows how black text looks on a background with the XYZ color 47.8128, 36.3164, 49.2895.



This preview shows how white text looks on a background with the XYZ color 47.8128, 36.3164,

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

47.8128, 36.3164, 49.2895

Protanopia

36.6139, 36.5768, 60.3886

Deuteranopia

37.1581, 36.3663, 47.7088



Tritanopia

44.4792, 36.2062, 33.9223

Trichromacy



Original Color

47.8128, 36.3164, 49.2895



Protanomaly

39.3946, 35.6120, 55.8364



Deuteranomaly

40.2209, 35.7373, 47.9581



Tritanomaly

45.5181, 36.1935, 39.2373

Monochromacy



Original Color

47.8128, 36.3164, 49.2895



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.4955, 36.6546, 44.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8128, 36.3164, 49.2895 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(224, 134, 183)` looks like.

```
.text, #text, p{  
    color:rgb(224, 134, 183)  
}
```

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(224, 134, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 134, 183) }
```

Border

The CSS property to change the border of an element to XYZ 47.8128, 36.3164, 49.2895 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(224, 134, 183) }
```


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

```
.border{ border-color:rgb(224, 134, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 134, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 134, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 134, 183);  
box-shadow:4px 4px 4px 4px rgb(224, 134,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8128, 36.3164, 49.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 134, 183) }
```

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

```
.background{ background-color: rgb(224,  
134, 183) }
```

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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