

Converting Colors

XYZ(49.4017, 36.9487, 28.6673)

Have a look what the booklet for
XYZ(49.4017, 36.9487, 28.6673)
contains.

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Color

**XYZ(49.3217, 36.9448,
28.5763)**

Conversions

Conversions Part 1

Format	Color
Hex	F2838A
RGB	242, 131, 138
RGB Percent	95%, 51%, 54%
CMY	0.0510, 0.4862, 0.4588
CMYK	0.00, 0.46, 0.43, 0.05
HSL	356°, 81%, 73%
HSV	356°, 46%, 95%
XYZ	49.3217, 36.9448, 28.5763
YIQ	164.9870, 63.9090, 25.7090

Conversions

Conversions Part 2

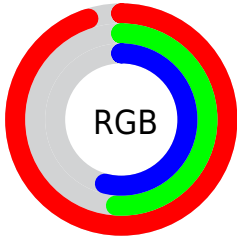
Format	Color
R _Y B	242, 131, 138
Decimal	15893386
CIE Lab	67.24, 43.02, 15.46
CIE LCh	67, 45.713, 19.767
Yxy	36.9448, 0.4295, 0.3217
Android (android.graphics.Color)	4294083466 (0xFFFF2838A)
YUV	164.9870, -13.3046, 67.5404
Hunter-Lab	60.7822, 38.4748, 14.6728

Details

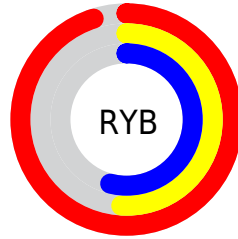
The XYZ color **49.3217, 36.9448, 28.5763** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **56.1095, 74.3285, 89.9912**, and the grayscale version is **35.7993, 37.6636, 41.0157**.

A 20% lighter version of the original color is **68.2029, 60.1394, 57.3036**, and **23.7772, 16.0984, 11.0866** is the 20% darker color. If you saturate the color by 10%, you get **44.9688, 30.5977, 19.8540**, and if you desaturate by 10%, it is **54.7782, 44.9506, 39.3579**.

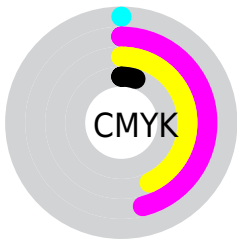
Distribution



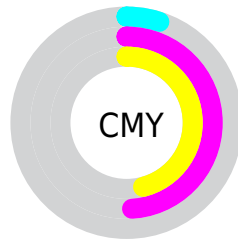
- Red (95%)
- Green (51%)
- Blue (54%)



- Red (95%)
- Yellow (51%)
- Blue (54%)



- Cyan (0%)
- Magenta (46%)
- Yellow (43%)
- Black (5%)



- Cyan (5%)
- Magenta (49%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3217, 36.9448, 28.5763 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 49.3217, 36.9448, 28.5763 by changing the saturation by 10% instead.


 49.3217, 36.9448,
28.5763


 49.3217, 36.9448,
28.5763


374.5034,
333.0715, 309.2087


 35.0903, 25.1648,
18.5177


 88.3669, 70.4879,
58.4374

 23.8993, 16.1998,
11.1490


 113.9115, 93.0197,
79.0769

 15.3833, 9.6657,
6.0517


 143.9578,
119.9042, 104.0805

 9.1769, 5.1779,
2.8073

178.8712,
151.5259, 133.8668

 4.9148, 2.3520,
0.9971

219.0172,
188.2690, 168.8542

 2.2316, 0.8010,
0.0000

264.7609,

 0.7593, 0.0000,

230.5181, 209.4613

0.0000

316.4679,
278.6574, 256.1066

0.0000, 0.0000,
0.0000

49.3217, 36.9448,
28.5763

49.3217, 36.9448,
28.5763

44.9688, 30.5977,
19.8540

54.7782, 44.9506,
39.3579

41.6415, 25.7879,
13.0579

61.4035, 54.7143,
52.3162

39.2563, 22.3864,
8.0423


69.2612, 66.3338,
67.5624


37.7151, 20.2408,
4.6403

78.4094, 79.8983,
85.1995

36.8980, 19.1630,
2.6528

88.9024, 95.4911,
105.3240

 36.7059, 18.9124,
2.1772

 90.4279, 97.6172,
108.6837

Harmonies

Analogous

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



50.0494, 36.9448, 47.4496



49.3217, 36.9448, 28.5763



44.5176, 36.9448, 17.4379

Triad

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



49.3217, 36.9448, 28.5763



25.8323, 36.9448, 20.1556



32.7839, 36.9448, 91.1538

Complementary

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



49.3217, 36.9448, 28.5763



56.1095, 74.3285, 89.9912

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.



27.1392, 36.9448, 77.2884



49.3217, 36.9448, 28.5763



23.4930, 36.9448, 33.7766

Square

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



49.3217, 36.9448, 28.5763



30.7683, 36.9448, 13.8114



23.9374, 36.9448, 54.6779



39.8528, 36.9448, 88.3306

Rectangle

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



49.3217, 36.9448, 28.5763



39.9645, 36.9448, 13.8640



23.9374, 36.9448, 54.6779



30.6744, 36.9448, 88.1500

Sweetspot

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



49.3227, 36.9467, 28.5770



79.7744, 77.3295, 79.5127



58.2734, 40.2395, 88.7000



16.6270, 15.8881, 16.1530



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.



49.3227, 36.9467, 28.5770



50.9543, 34.9094, 22.9850



56.8560, 52.7980, 28.6696



15.8132, 15.7750, 16.5725



19.7352, 10.1665, 1.2563



1.6558, 0.8514, 0.1786

Inverse Universe

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



49.3227, 36.9467, 28.5770



50.9543, 34.9094, 22.9850



44.6583, 49.7770, 91.2585



15.8132, 15.7750, 16.5725



19.7352, 10.1665, 1.2563



1.6558, 0.8514, 0.1786

Previews

White Background



This preview shows how the XYZ color 49.3217, 36.9448, 28.5763 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 49.3217, 36.9448, 28.5763 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 49.3217, 36.9448, 28.5763

Background



This preview shows how black text looks on a background with the XYZ color 49.3217, 36.9448, 28.5763.



This preview shows how white text looks on a background with the XYZ color 49.3217, 36.9448,

28.5763.

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

49.3217, 36.9448, 28.5763

Protanopia

35.3758, 36.9960, 36.2868

Deuteranopia

37.9464, 37.2235, 27.3752



Tritanopia

49.4679, 37.0033, 29.3460

Trichromacy



Original Color

49.3217, 36.9448, 28.5763

Protanomaly

39.2564, 36.0389, 33.3209

Deuteranomaly

41.5414, 36.6307, 27.8026

Tritanomaly

49.3944, 36.9739, 28.9594

Monochromacy



Original Color

49.3217, 36.9448, 28.5763

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.2999, 36.4865, 35.9816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3217, 36.9448, 28.5763 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(242, 131, 138)` looks like.

```
.text, #text, p{  
    color:rgb(242, 131, 138)  
}
```

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(242, 131, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 131, 138) }
```

Border

The CSS property to change the border of an element to XYZ 49.3217, 36.9448, 28.5763 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(242, 131, 138) }
```


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

```
.border{ border-color:rgb(242, 131, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 131, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 131, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 131, 138);  
box-shadow:4px 4px 4px 4px rgb(242, 131,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3217, 36.9448, 28.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 131, 138) }
```

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

```
.background{ background-color: rgb(242,  
131, 138) }
```

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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