

Converting Colors

XYZ(32.8767, 28.2513, 45.1682)

Have a look what the booklet for
XYZ(32.8767, 28.2513, 45.1682)
contains.

XYZ(32.9817, 28.3348, 45.3258)	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(32.9817, 28.3348,
45.3258)**

Conversions

Conversions Part 1

Format	Color
Hex	AB84B1
RGB	171, 132, 177
RGB Percent	67%, 52%, 69%
CMY	0.3294, 0.4823, 0.3059
CMYK	0.03, 0.25, 0.00, 0.31
HSL	292°, 22%, 61%
HSV	292°, 25%, 69%
XYZ	32.9817, 28.3348, 45.3258
YIQ	148.7910, 8.7990, 22.2630

Conversions

Conversions Part 2

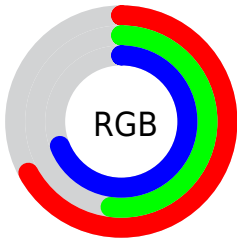
Format	Color
RYB	171, 132, 177
Decimal	11240625
CIELab	60.19, 22.95, -17.97
CIElCh	60, 29.151, 321.938
Yxy	28.3348, 0.3093, 0.2657
Android (android.graphics.Color)	4289430705 (0xFFAB84B1)
YUV	148.7910, 13.9070, 19.4773
Hunter-Lab	53.2304, 17.4457, -13.2242

Details

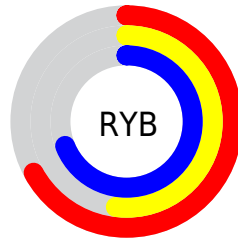
The XYZ color **32.9817, 28.3348, 45.3258** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.3692, 38.5142, 27.6645**, and the grayscale version is **28.4209, 29.9010, 32.5622**.

A 20% lighter version of the original color is **63.7355, 56.9120, 84.7167**, and **14.1266, 11.3414, 20.5133** is the 20% darker color. If you saturate the color by 10%, you get **30.2729, 23.6731, 44.5692**, and if you desaturate by 10%, it is **36.1087, 33.8182, 46.2198**.

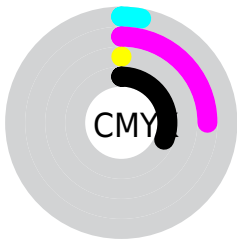
Distribution



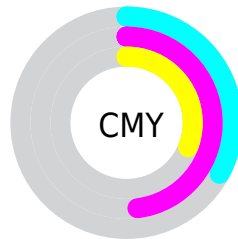
- Red (67%)
- Green (52%)
- Blue (69%)



- Red (67%)
- Yellow (52%)
- Blue (69%)



- Cyan (3%)
- Magenta (25%)
- Yellow (0%)
- Black (31%)




- Cyan (33%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9817, 28.3348, 45.3258 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 32.9817, 28.3348, 45.3258 by changing the saturation by 10% instead.


 32.9817, 28.3348,
45.3258


 32.9817, 28.3348,
45.3258


307.2337,
294.0633, 384.2900


 22.2716, 18.5782,
31.3693

 63.7018, 57.0185,
84.5327

 14.1743, 11.3659,
20.6194


 84.4426, 76.7144,
110.6202

 8.3245, 6.3135,
12.6576


 109.2575,
100.4922, 141.5885

 4.3568, 3.0366,
7.0652

138.5121,
128.7363, 177.8560

 1.9059, 1.1509,
3.4239

172.5717,
161.8310, 219.8414

 0.5803, 0.0210,
1.3149

211.8016,

 0.0000, 0.0000,

200.1608, 267.9632

0.0740

256.5671,
244.1101, 322.6399

■ 0.0000, 0.0000,
0.0000

■ 32.9817, 28.3348,
45.3258

■ 32.9817, 28.3348,
45.3258

■ 30.2729, 23.6731,
44.5692

■ 36.1087, 33.8182,
46.2198

■ 27.9591, 19.7882,
43.9413

■ 39.6703, 40.1577,
47.2557

■ 26.0186, 16.6366,
43.4352

■ 43.6854, 47.3904,
48.4402

■ 24.4270, 14.1692,
43.0429

■ 48.1709, 55.5501,
49.7788

■ 23.1563, 12.3305,
42.7549

■ 53.1428, 64.6687,
51.2768

■ 22.1748, 11.0567,
42.5608

■ 58.6164, 74.7768,
52.9393

■ 21.4422, 10.2677,
42.4471

■ 64.3171, 85.3250,
54.6749

■ 21.1487, 9.9858,
42.4082

■ 64.9013, 85.6261,
54.7022

■ 65.4951, 85.9323,
54.7300

Harmonies

Analogous

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



29.7005, 28.3348, 54.0942



32.9817, 28.3348, 45.3258



34.6745, 28.3348, 33.8229

Triad

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



32.9817, 28.3348, 45.3258



27.9498, 28.3348, 14.6567



20.8118, 28.3348, 39.1789

Complementary

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



32.9817, 28.3348, 45.3258



30.3692, 38.5142, 27.6645

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.



20.4364, 28.3348, 28.0599



32.9817, 28.3348, 45.3258



24.3399, 28.3348, 15.4526

Square

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



32.9817, 28.3348, 45.3258



31.5992, 28.3348, 17.3415



21.6703, 28.3348, 19.8425



22.7475, 28.3348, 50.0129

Rectangle

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



32.9817, 28.3348, 45.3258



34.5749, 28.3348, 26.7953



21.6703, 28.3348, 19.8425



20.5066, 28.3348, 35.2982

Sweetspot

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



32.9826, 28.3360, 45.3264



69.2368, 68.6826, 84.1032



26.5412, 26.2581, 45.2648



14.7962, 14.5127, 18.1657



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9826, 28.3360, 45.3264



56.0199, 45.4780, 80.3209



32.7726, 28.4064, 37.2441



8.7364, 8.5881, 10.7035



15.3597, 7.2540, 30.7276



0.5140, 0.2441, 0.9683

Inverse Universe

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



30.9711, 27.6858, 27.7575



51.8134, 44.1366, 42.7563



30.6238, 38.5045, 34.0441



8.5410, 8.5231, 9.0812



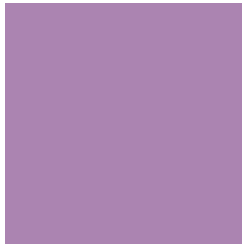
13.2667, 6.8242, 1.2986



0.4320, 0.2205, 0.1174

Previews

White Background



This preview shows how the XYZ color 32.9817, 28.3348, 45.3258 looks on a white background.

Color Contrast Check

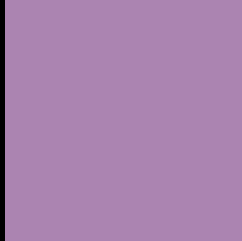
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9817, 28.3348, 45.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

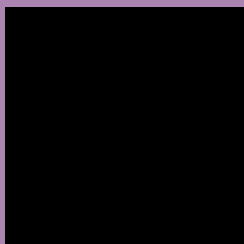
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.9817, 28.3348, 45.3258

Background



This preview shows how black text looks on a background with the XYZ color 32.9817, 28.3348, 45.3258.



This preview shows how white text looks on a background with the XYZ color 32.9817, 28.3348,

45.3258.

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

32.9817, 28.3348, 45.3258

Protanopia

28.7219, 28.6002, 49.9055

Deuteranopia

29.0879, 28.4609, 44.5178



Tritanopia

30.2273, 28.2449, 31.8756

Trichromacy



Original Color

32.9817, 28.3348, 45.3258

Protanomaly

30.0343, 28.4295, 48.1604

Deuteranomaly

30.2514, 28.1816, 44.9195

Tritanomaly

31.0704, 28.1560, 36.5979

Monochromacy



Original Color

32.9817, 28.3348, 45.3258

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9851, 29.3162, 36.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9817, 28.3348, 45.3258 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(171, 132, 177)` looks like.

```
.text, #text, p{  
    color:rgb(171, 132, 177)  
}
```

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(171, 132, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 132, 177) }
```

Border

The CSS property to change the border of an element to XYZ 32.9817, 28.3348, 45.3258 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(171, 132, 177) }
```


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

```
.border{ border-color:rgb(171, 132, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 132, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 132, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 132, 177);  
box-shadow:4px 4px 4px 4px rgb(171, 132,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9817, 28.3348, 45.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 132, 177) }
```

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

```
.background{ background-color: rgb(171,  
132, 177) }
```

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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