

Converting Colors

XYZ(42.9328, 36.9096, 58.2875)

Have a look what the booklet for
XYZ(42.9328, 36.9096, 58.2875)
contains.

XYZ(42.9328, 36.9096, 58.2875)	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(42.9328, 36.9096,
58.2875)**

Conversions

Conversions Part 1

Format	Color
Hex	C195C6
RGB	193, 149, 198
RGB Percent	76%, 58%, 78%
CMY	0.2431, 0.4157, 0.2235
CMYK	0.03, 0.25, 0.00, 0.22
HSL	294°, 30%, 68%
HSV	294°, 25%, 78%
XYZ	42.9328, 36.9096, 58.2875
YIQ	167.7420, 10.4950, 24.5670

Conversions

Conversions Part 2

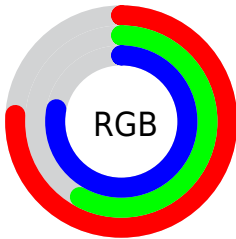
Format	Color
R _Y B	193, 149, 198
Decimal	12686790
CIE Lab	67.21, 24.98, -18.93
CIE LCh	67, 31.339, 322.842
Yxy	36.9096, 0.3108, 0.2672
Android (android.graphics.Color)	4290876870 (0xFFC195C6)
YUV	167.7420, 14.9172, 22.1513
Hunter-Lab	60.7533, 19.8232, -14.3563

Details

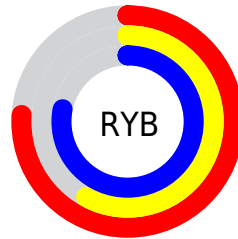
The XYZ color **42.9328, 36.9096, 58.2875** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.9466, 49.4290, 35.9237**, and the grayscale version is **37.0196, 38.9475, 42.4138**.

A 20% lighter version of the original color is **78.8303, 70.2559, 104.0137**, and **20.0492, 16.2379, 28.4631** is the 20% darker color. If you saturate the color by 10%, you get **39.5514, 30.9056, 57.3074**, and if you desaturate by 10%, it is **46.8561, 43.9855, 59.4471**.

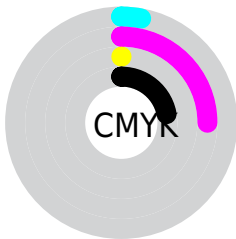
Distribution



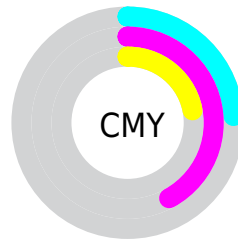
- Red (76%)
- Green (58%)
- Blue (78%)



- Red (76%)
- Yellow (58%)
- Blue (78%)



- Cyan (3%)
- Magenta (25%)
- Yellow (0%)
- Black (22%)





- Cyan (24%)
- Magenta (42%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9328, 36.9096, 58.2875 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 42.9328, 36.9096, 58.2875 by changing the saturation by 10% instead.


 42.9328, 36.9096,
58.2875

 42.9328, 36.9096,
58.2875

349.2615,
332.9190, 435.8845

 30.0267, 25.1375,
41.6236


 78.8658, 70.4337,
103.8603

 20.0070, 16.1795,
28.4833


 102.6234, 92.9546,
133.6063

 12.5084, 9.6513,
18.4481


130.7288,
119.8271, 168.5501

 7.1656, 5.1684,
11.0994

163.5475,
151.4357, 209.1102

 3.6131, 2.3464,
6.0187

201.4447,
188.1648, 255.7051

 1.4857, 0.7981,
2.7875

244.7859,

 0.3161, 0.0000,

230.3988, 308.7535

0.9872

293.9364,
278.5220, 368.6737

■ 0.0000, 0.0000,
0.0000

■ 42.9328, 36.9096,
58.2875

■ 42.9328, 36.9096,
58.2875

■ 39.5514, 30.9056,
57.3074

■ 46.8561, 43.9855,
59.4471

■ 36.6815, 25.9148,
56.4953

■ 51.3428, 52.1786,
60.7920

■ 34.2949, 21.8802,
55.8424

■ 56.4176, 61.5373,
62.3309

■ 32.3593, 18.7374,
55.3377

■ 62.1026, 72.1058,
64.0712

■ 30.8384, 16.4138,
54.9694

■ 68.4188, 83.9261,
66.0199

■ 29.6903, 14.8253,
54.7233

■ 71.1641, 88.5940,
66.7762

■ 28.8638, 13.8700,
54.5825

■ 71.7255, 88.8834,
66.8025

■ 28.5067, 13.5182,
54.5334

■ 72.2942, 89.1765,
66.8291

■ 72.8701, 89.4734,
66.8560

Harmonies

Analogous

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



38.7738, 36.9096, 69.6741



42.9328, 36.9096, 58.2875



45.0199, 36.9096, 43.5601

Triad

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



42.9328, 36.9096, 58.2875



36.2399, 36.9096, 19.3112



27.2706, 36.9096, 51.3037

Complementary

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



42.9328, 36.9096, 58.2875



38.9466, 49.4290, 35.9237

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.



26.7252, 36.9096, 36.9951



42.9328, 36.9096, 58.2875



31.6313, 36.9096, 20.4750

Square

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



42.9328, 36.9096, 58.2875



40.9344, 36.9096, 22.6405



28.2509, 36.9096, 26.2870



29.8149, 36.9096, 65.0446

Rectangle

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



42.9328, 36.9096, 58.2875



44.8331, 36.9096, 34.6141



28.2509, 36.9096, 26.2870



26.8575, 36.9096, 46.3309

Sweetspot

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



42.9339, 36.9112, 58.2883



88.9507, 88.7915, 107.0580



34.2633, 33.8171, 58.1481



18.9318, 18.8086, 22.8826



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.



42.9339, 36.9112, 58.2883



72.4963, 59.0696, 102.1883



42.1959, 36.7657, 47.6365



10.9724, 10.7595, 13.4160



18.5804, 8.8128, 35.4661



0.9113, 0.4335, 1.6808

Inverse Universe

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



39.8702, 35.8354, 35.3892



66.1556, 56.8583, 54.1131



39.6375, 49.5977, 44.4258



10.6771, 10.6542, 11.2830



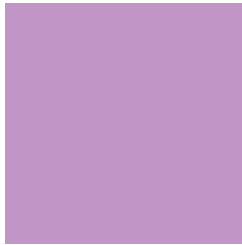
15.2437, 7.8471, 1.2274



0.7371, 0.3777, 0.1387

Previews

White Background



This preview shows how the XYZ color 42.9328, 36.9096, 58.2875 looks on a white background.

Color Contrast Check

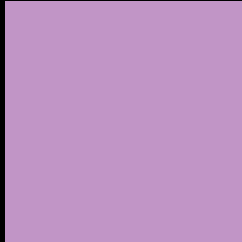
Large Text (above 18pt) WCAG AA × Fail

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 42.9328, 36.9096, 58.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

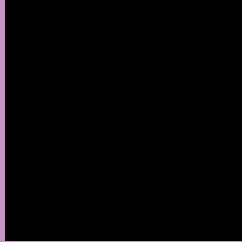
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9328, 36.9096, 58.2875

Background



This preview shows how black text looks on a background with the XYZ color 42.9328, 36.9096, 58.2875.



This preview shows how white text looks on a background with the XYZ color 42.9328, 36.9096,

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

42.9328, 36.9096, 58.2875

Protanopia

37.3197, 37.1180, 64.2290

Deuteranopia

37.8445, 37.0196, 57.3754



Tritanopia

39.6827, 37.0515, 41.6194

Trichromacy



Original Color

42.9328, 36.9096, 58.2875

Protanomaly

39.1045, 36.7984, 62.1685

Deuteranomaly

39.6457, 36.9221, 57.8604

Tritanomaly

40.6623, 36.9440, 47.1072

Monochromacy



Original Color

42.9328, 36.9096, 58.2875

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.0130, 38.0915, 47.9440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9328, 36.9096, 58.2875 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(193, 149, 198)` looks like.

```
.text, #text, p{  
    color:rgb(193, 149, 198)  
}
```

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(193, 149, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 149, 198) }
```

Border

The CSS property to change the border of an element to XYZ 42.9328, 36.9096, 58.2875 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(193, 149, 198) }
```


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

```
.border{ border-color:rgb(193, 149, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 149, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 149, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 149, 198); box-shadow:4px 4px 4px 4px rgb(193, 149, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9328, 36.9096, 58.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 149, 198) }
```

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

```
.background{ background-color: rgb(193,  
149, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor