

Converting Colors

XYZ(46.9121, 36.6850, 58.3403)

Have a look what the booklet for
XYZ(46.9121, 36.6850, 58.3403)
contains.

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Color

**XYZ(46.9820, 36.7349,
58.6472)**

Conversions

Conversions Part 1

Format	Color
Hex	D58BC7
RGB	213, 139, 199
RGB Percent	84%, 55%, 78%
CMY	0.1647, 0.4549, 0.2196
CMYK	0.00, 0.35, 0.07, 0.16
HSL	311°, 47%, 69%
HSV	311°, 35%, 84%
XYZ	46.9820, 36.7349, 58.6472
YIQ	167.9660, 24.8440, 34.3480

Conversions

Conversions Part 2

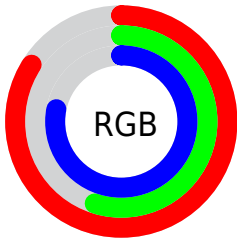
Format	Color
R _{YB}	213, 139, 199
Decimal	13994951
CIE _{Lab}	67.08, 37.24, -19.49
CIE _{LCh}	67, 42.035, 332.377
Y _{xy}	36.7349, 0.3300, 0.2580
Android (android.graphics.Color)	4292185031 (0xFFD58BC7)
Y _{UV}	167.9660, 15.2998, 39.4948
Hunter-Lab	60.6093, 32.3000, -14.9441

Details

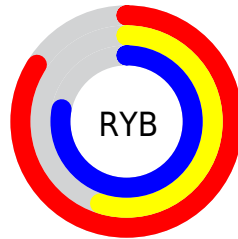
The XYZ color **46.9820, 36.7349, 58.6472** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.1930, 55.3785, 38.7100**, and the grayscale version is **37.1226, 39.0558, 42.5318**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **22.4237, 16.0288, 28.7001** is the 20% darker color. If you saturate the color by 10%, you get **43.7317, 30.9726, 55.2859**, and if you desaturate by 10%, it is **50.8478, 43.7071, 62.2756**.

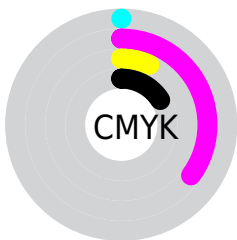
Distribution



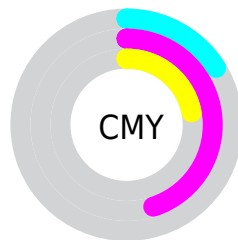
- Red (84%)
- Green (55%)
- Blue (78%)



- Red (84%)
- Yellow (55%)
- Blue (78%)



- Cyan (0%)
- Magenta (35%)
- Yellow (7%)
- Black (16%)





- Cyan (16%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9820, 36.7349, 58.6472 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 46.9820, 36.7349, 58.6472 by changing the saturation by 10% instead.


 46.9820, 36.7349,
58.6472

 46.9820, 36.7349,
58.6472


365.3928,
332.1614, 437.2587


 33.2293, 25.0023,
41.9110

 84.9057, 70.1649,
104.3888

 22.4622, 16.0788,
28.7066


 109.8073, 92.6310,
134.2313

 14.3154, 9.5799,
18.6153


 139.1561,
119.4438, 169.2797

 8.4236, 5.1213,
11.2187

173.3172,
150.9877, 209.9525

 4.4212, 2.3186,
6.0981

212.6561,
187.6470, 256.6683

 1.9431, 0.7835,
2.8351

257.5381,

 0.6017, 0.0000,

229.8061, 309.8455

1.0110

308.3285,
277.8494, 369.9028

■ 0.0000, 0.0000,
0.0000

■ 46.9820, 36.7349,
58.6472

■ 46.9820, 36.7349,
58.6472

■ 43.7317, 30.9726,
55.2859

■ 50.8478, 43.7071,
62.2756

■ 41.0583, 26.3451,
52.1772

■ 55.3580, 51.9487,
66.1800

■ 38.9242, 22.7767,
49.3085

■ 60.5438, 61.5212,
70.3716

■ 37.2858, 20.1804,
46.6648

■ 66.4331, 72.4806,
74.8603

■ 36.0927, 18.4553,
44.2287

■ 73.0525, 84.8799,
79.6553

■ 35.2832, 17.4785,
41.9793

■ 76.5446, 91.0038,
83.4712

■ 34.9548, 17.1519,
40.8519

■ 77.0952, 91.2240,
86.3705

■ 77.6588, 91.4494,
89.3384

■ 78.2355, 91.6801,
92.3753

Harmonies

Analogous

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



41.9222, 36.7349, 77.7174



46.9820, 36.7349, 58.6472



48.6977, 36.7349, 38.5551

Triad

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



46.9820, 36.7349, 58.6472



34.4079, 36.7349, 14.1224



25.5266, 36.7349, 61.9734

Complementary

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



46.9820, 36.7349, 58.6472



40.1930, 55.3785, 38.7100

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.



24.0148, 36.7349, 41.4766



46.9820, 36.7349, 58.6472



28.7364, 36.7349, 17.0202

Square

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



46.9820, 36.7349, 58.6472



40.9322, 36.7349, 16.2072



25.1150, 36.7349, 25.7919



29.5192, 36.7349, 80.0140

Rectangle

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



46.9820, 36.7349, 58.6472



47.5640, 36.7349, 28.0340



25.1150, 36.7349, 25.7919



24.7351, 36.7349, 54.9577

Sweetspot

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



46.9831, 36.7366, 58.6480



86.6807, 84.4889, 102.3261



34.2998, 30.0015, 66.9346



18.3198, 17.6536, 21.7120



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.



46.9831, 36.7366, 58.6480



66.7716, 48.3914, 84.2190



43.2348, 35.2372, 38.9092



12.8476, 12.5905, 15.1375



21.3875, 10.4913, 25.1423



1.3166, 0.6434, 1.6565

Inverse Universe

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



46.9831, 36.7366, 58.6480



66.7716, 48.3914, 84.2190



43.6900, 56.7773, 57.1250



12.8476, 12.5905, 15.1375



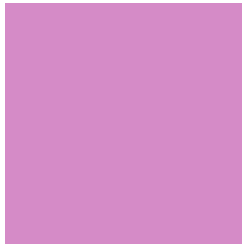
21.3875, 10.4913, 25.1423



1.3166, 0.6434, 1.6565

Previews

White Background



This preview shows how the XYZ color 46.9820, 36.7349, 58.6472 looks on a white background.

Color Contrast Check

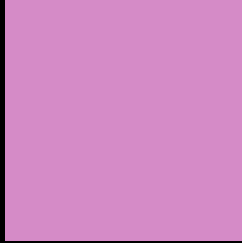
Large Text (above 18pt) WCAG AA × Fail

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 46.9820, 36.7349, 58.6472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

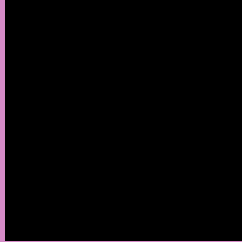
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9820, 36.7349, 58.6472

Background



This preview shows how black text looks on a background with the XYZ color 46.9820, 36.7349, 58.6472.



This preview shows how white text looks on a background with the XYZ color 46.9820, 36.7349,

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

46.9820, 36.7349, 58.6472

Protanopia

37.5805, 37.1365, 69.4773

Deuteranopia

37.7310, 36.9743, 56.7779



Tritanopia

42.6177, 36.7460, 37.1942

Trichromacy



Original Color

46.9820, 36.7349, 58.6472

Protanomaly

40.0775, 36.4853, 65.2517

Deuteranomaly

40.4834, 36.3871, 57.1143

Tritanomaly

44.0944, 36.6653, 44.2882

Monochromacy



Original Color

46.9820, 36.7349, 58.6472

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.9608, 37.5590, 47.7913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9820, 36.7349, 58.6472 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(213, 139, 199)` looks like.

```
.text, #text, p{  
    color:rgb(213, 139, 199)  
}
```

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(213, 139, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 139, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.9820, 36.7349, 58.6472 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(213, 139, 199) }
```


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

```
.border{ border-color:rgb(213, 139, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 139, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 139, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 139, 199);  
box-shadow:4px 4px 4px 4px rgb(213, 139,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9820, 36.7349, 58.6472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 139, 199) }
```

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

```
.background{ background-color: rgb(213,  
139, 199) }
```

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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