

Converting Colors

XYZ(46.4334, 36.9176, 58.8092)

Have a look what the booklet for
XYZ(46.4334, 36.9176, 58.8092)
contains.

XYZ(46.4120, 36.8749, 58.7042)	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(46.4120, 36.8749,
58.7042)**

Conversions

Conversions Part 1

Format	Color
Hex	D28DC7
RGB	210, 141, 199
RGB Percent	82%, 55%, 78%
CMY	0.1765, 0.4470, 0.2196
CMYK	0.00, 0.33, 0.05, 0.18
HSL	310°, 43%, 69%
HSV	310°, 33%, 82%
XYZ	46.4120, 36.8749, 58.7042
YIQ	168.2430, 22.5060, 32.6660

Conversions

Conversions Part 2

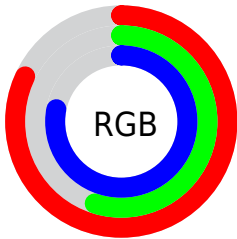
Format	Color
R _Y B	210, 141, 199
Decimal	13798855
CIE Lab	67.18, 35.18, -19.36
CIE LCh	67, 40.159, 331.178
Yxy	36.8749, 0.3269, 0.2597
Android (android.graphics.Color)	4291988935 (0xFFD28DC7)
YUV	168.2430, 15.1632, 36.6209
Hunter-Lab	60.7247, 30.1596, -14.8099

Details

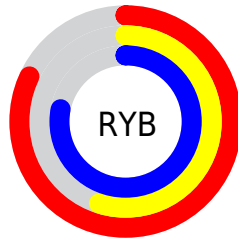
The XYZ color **46.4120, 36.8749, 58.7042** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7001, 54.0240, 38.0432**, and the grayscale version is **37.2599, 39.2003, 42.6891**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **22.0096, 16.0591, 28.7277** is the 20% darker color. If you saturate the color by 10%, you get **43.2200, 31.1056, 55.7436**, and if you desaturate by 10%, it is **50.2019, 43.8250, 61.9071**.

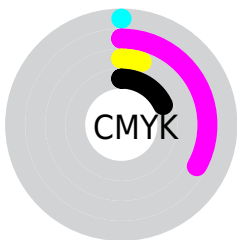
Distribution



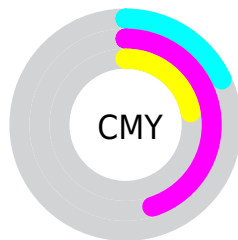
- Red (82%)
- Green (55%)
- Blue (78%)



- Red (82%)
- Yellow (55%)
- Blue (78%)



- Cyan (0%)
- Magenta (33%)
- Yellow (5%)
- Black (18%)





- Cyan (18%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4120, 36.8749, 58.7042 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 46.4120, 36.8749, 58.7042 by changing the saturation by 10% instead.


 46.4120, 36.8749,
58.7042

 46.4120, 36.8749,
58.7042

363.1508,
332.7686, 437.4762


 32.7771, 25.1106,
41.9566


 84.0594, 70.3803,
104.4725

 22.1141, 16.1595,
28.7420


 108.8025, 92.8903,
134.3303

 14.0579, 9.6371,
18.6418

 137.9790,
119.7510, 169.3953

 8.2429, 5.1590,
11.2376

171.9544,
151.3467, 210.0859

 4.3039, 2.3409,
6.1107

211.0939,
188.0620, 256.8208

 1.8754, 0.7952,
2.8426

255.7629,

 0.5625, 0.0000,

230.2811, 310.0184

1.0149

306.3267,
278.3885, 370.0974

■ 0.0000, 0.0000,
0.0000

■ 46.4120, 36.8749,
58.7042

■ 46.4120, 36.8749,
58.7042

■ 43.2200, 31.1056,
55.7436

■ 50.2019, 43.8250,
61.9071

■ 40.5892, 26.4457,
53.0115

■ 54.6170, 52.0124,
65.3605

■ 38.4839, 22.8235,
50.4964

■ 59.6870, 61.4957,
69.0749

■ 36.8633, 20.1570,
48.1842

■ 65.4387, 72.3284,
73.0596

■ 35.6801, 18.3520,
46.0589

■ 71.8973, 84.5611,
77.3231

■ 34.8773, 17.2947,
44.1012

■ 75.1366, 90.3410,
80.5570

■ 34.4667, 16.8570,
42.7817

■ 75.5822, 90.5192,
82.9035

■ 76.0367, 90.7010,
85.2969

■ 76.5002, 90.8864,
87.7376

Harmonies

Analogous

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



41.5056, 36.8749, 76.4720



46.4120, 36.8749, 58.7042



48.1905, 36.8749, 39.4612

Triad

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



46.4120, 36.8749, 58.7042



34.8070, 36.8749, 14.9890



25.9074, 36.8749, 60.2647

Complementary

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



46.4120, 36.8749, 58.7042



39.7001, 54.0240, 38.0432

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.



24.5435, 36.8749, 40.8478



46.4120, 36.8749, 58.7042



29.2984, 36.8749, 17.6551

Square

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



46.4120, 36.8749, 58.7042



41.0381, 36.8749, 17.2573



25.7100, 36.8749, 25.9867



29.6720, 36.8749, 77.5423

Rectangle

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



46.4120, 36.8749, 58.7042



47.2168, 36.8749, 29.1568



25.7100, 36.8749, 25.9867



25.1740, 36.8749, 53.6093

Sweetspot

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



46.4131, 36.8765, 58.7050



86.8001, 84.5366, 102.9550



33.9870, 30.3177, 65.0341



18.3489, 17.6653, 21.8650



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.



46.4131, 36.8765, 58.7050



68.6544, 51.1267, 88.0232



42.9098, 35.4752, 40.2564



12.2265, 11.9753, 14.4683



21.0550, 10.2948, 26.2594



1.1995, 0.5845, 1.5854

Inverse Universe

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



46.4131, 36.8765, 58.7050



68.6544, 51.1267, 88.0232



42.8794, 55.2958, 54.7853



12.2265, 11.9753, 14.4683



21.0550, 10.2948, 26.2594



1.1995, 0.5845, 1.5854

Previews

White Background



This preview shows how the XYZ color 46.4120, 36.8749, 58.7042 looks on a white background.

Color Contrast Check

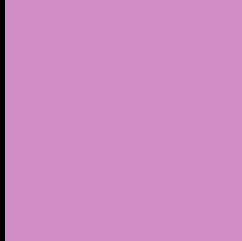
Large Text (above 18pt) WCAG AA × Fail

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 46.4120, 36.8749, 58.7042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

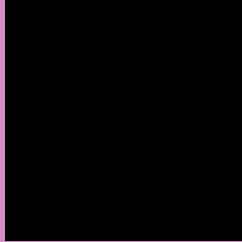
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4120, 36.8749, 58.7042

Background



This preview shows how black text looks on a background with the XYZ color 46.4120, 36.8749, 58.7042.



This preview shows how white text looks on a background with the XYZ color 46.4120, 36.8749,

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

46.4120, 36.8749, 58.7042

Protanopia

37.6356, 37.1797, 68.8111

Deuteranopia

37.7310, 36.9743, 56.7779



Tritanopia

42.2694, 37.0121, 38.1739

Trichromacy



Original Color

46.4120, 36.8749, 58.7042

Protanomaly

40.0775, 36.4853, 65.2517

Deuteranomaly

40.4111, 36.5917, 57.1576

Tritanomaly

43.6510, 36.8792, 44.8621

Monochromacy



Original Color

46.4120, 36.8749, 58.7042

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.8920, 37.7757, 47.8367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4120, 36.8749, 58.7042 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(210, 141, 199)` looks like.

```
.text, #text, p{  
    color:rgb(210, 141, 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(210, 141, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 141, 199) }
```

Border

The CSS property to change the border of an element to XYZ 46.4120, 36.8749, 58.7042 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(210, 141, 199) }
```


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

```
.border{ border-color:rgb(210, 141, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 141, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 141, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 141, 199);  
box-shadow:4px 4px 4px 4px rgb(210, 141,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4120, 36.8749, 58.7042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 141, 199) }
```

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

```
.background{ background-color: rgb(210,  
141, 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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