

Converting Colors

XYZ(46.9303, 37.0770, 63.7064)

Have a look what the booklet for
XYZ(46.9303, 37.0770, 63.7064)
contains.

XYZ(46.7998, 36.9646, 63.6998)	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(46.7998, 36.9646,
63.6998)**

Conversions

Conversions Part 1

Format	Color
Hex	D08DCF
RGB	208, 141, 207
RGB Percent	82%, 55%, 81%
CMY	0.1843, 0.4470, 0.1882
CMYK	0.00, 0.32, 0.00, 0.18
HSL	301°, 42%, 68%
HSV	301°, 32%, 82%
XYZ	46.7998, 36.9646, 63.6998
YIQ	168.5570, 18.7460, 34.7300

Conversions

Conversions Part 2

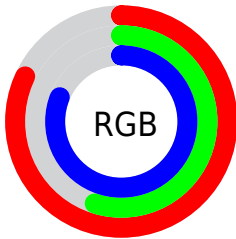
Format	Color
RYB	208, 141, 207
Decimal	13667791
CIELab	67.25, 35.99, -23.74
CIElCh	67, 43.110, 326.592
Yxy	36.9646, 0.3174, 0.2507
Android (android.graphics.Color)	4291857871 (0xFFD08DCF)
YUV	168.5570, 18.9524, 34.5915
Hunter-Lab	60.7985, 31.0034, -19.5603

Details

The XYZ color **46.7998, 36.9646, 63.6998** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.4244, 52.7287, 33.7457**, and the grayscale version is **37.3974, 39.3450, 42.8467**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **22.1888, 16.0872, 31.6414** is the 20% darker color. If you saturate the color by 10%, you get **43.9786, 31.3821, 62.5726**, and if you desaturate by 10%, it is **50.1994, 43.7022, 65.0210**.

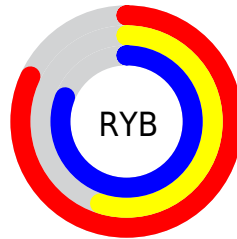
Distribution



Red (82%)

Green (55%)

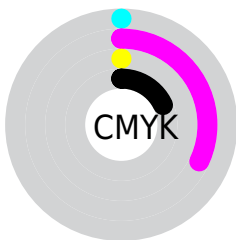
Blue (81%)



Red (82%)

Yellow (55%)

Blue (81%)

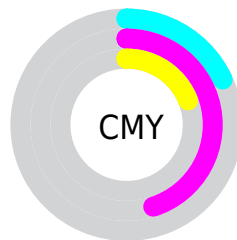


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (18%)



Cyan (18%)


Magenta (45%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7998, 36.9646, 63.6998 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 46.7998, 36.9646, 63.6998 by changing the saturation by 10% instead.


 46.7998, 36.9646,
63.6998


 46.7998, 36.9646,
63.6998


364.6771,
333.1572, 456.2824


 33.0847, 25.1801,
45.9629


 84.6353, 70.5183,
111.7738

 22.3509, 16.2113,
31.8681


 109.4864, 93.0563,
142.9480

 14.2330, 9.6738,
20.9968


 138.7801,
119.9476, 179.4384

 8.3657, 5.1832,
12.9304

172.8820,
151.5766, 221.6636

 4.3836, 2.3552,
7.2505

212.1573,
188.3277, 270.0420

 1.9213, 0.8027,
3.5384

256.9713,

 0.5892, 0.0000,

230.5852, 324.9923

1.3757

307.6895,
278.7336, 386.9329

■ 0.0000, 0.0000,
0.1227

■ 0.0000, 0.0000,
0.0000

■ 46.7998, 36.9646,
63.6998

■ 46.7998, 36.9646,
63.6998

■ 43.9786, 31.3821,
62.5726

■ 50.1994, 43.7022,
65.0210

■ 41.6998, 26.8853,
61.6262

■ 54.2036, 51.6498,
66.5437

■ 39.9293, 23.4047,
60.8495

■ 58.8414, 60.8643,
68.2779

■ 38.6273, 20.8610,
60.2294

■ 64.1388, 71.3978,
70.2324

37.7481, 19.1629,
59.7506

70.1203, 83.2995,
72.4153

37.2372, 18.2012,
59.3949

73.2647, 89.5269,
73.6528

37.0196, 17.8128,
59.1783

73.3032, 89.5423,
73.8554

73.3418, 89.5577,
74.0584

73.3804, 89.5731,
74.2618

Harmonies

Analogous

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



41.1123, 36.9646, 82.1665



46.7998, 36.9646, 63.6998



49.3506, 36.9646, 42.4427

Triad

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



46.7998, 36.9646, 63.6998



35.8919, 36.9646, 13.8160



24.9834, 36.9646, 58.7621

Complementary

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



46.7998, 36.9646, 63.6998



38.4244, 52.7287, 33.7457

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.



23.9487, 36.9646, 38.1306



46.7998, 36.9646, 63.6998



29.7648, 36.9646, 15.7491

Square

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



46.7998, 36.9646, 63.6998



42.5772, 36.9646, 16.9308



25.5879, 36.9646, 23.4006



28.6127, 36.9646, 78.7458

Rectangle

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



46.7998, 36.9646, 63.6998



48.7201, 36.9646, 30.7552



25.5879, 36.9646, 23.4006



24.3418, 36.9646, 51.5174

Sweetspot

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



46.8010, 36.9662, 63.7006



87.3866, 84.7712, 106.0433



31.8962, 29.2683, 63.6437



18.4918, 17.7224, 22.6177



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.



46.8010, 36.9662, 63.7006



70.8649, 52.0109, 99.6631



43.2275, 35.5368, 44.8829



12.3029, 12.0059, 14.8708



23.0758, 11.1031, 36.9007



1.2927, 0.6218, 2.0764

Inverse Universe

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



46.8010, 36.9662, 63.7006



70.8649, 52.0109, 99.6631



41.2306, 53.8512, 48.5232



12.3029, 12.0059, 14.8708



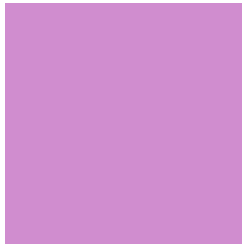
23.0758, 11.1031, 36.9007



1.2927, 0.6218, 2.0764

Previews

White Background



This preview shows how the XYZ color 46.7998, 36.9646, 63.6998 looks on a white background.

Color Contrast Check

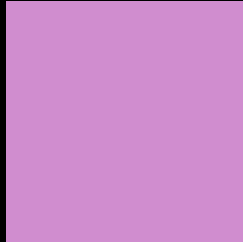
Large Text (above 18pt) WCAG AA × Fail

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 46.7998, 36.9646, 63.6998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

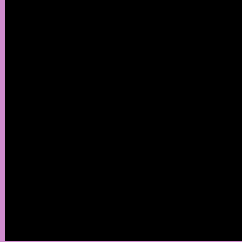
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7998, 36.9646, 63.6998

Background



This preview shows how black text looks on a background with the XYZ color 46.7998, 36.9646, 63.6998.



This preview shows how white text looks on a background with the XYZ color 46.7998, 36.9646,

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

46.7998, 36.9646, 63.6998

Protanopia

38.1378, 37.3176, 74.3002

Deuteranopia

38.0216, 37.2751, 61.6908



Tritanopia

41.7851, 36.9779, 39.1176

Trichromacy



Original Color

46.7998, 36.9646, 63.6998

Protanomaly

40.4422, 36.5560, 70.5701

Deuteranomaly

40.5861, 36.8179, 62.0942

Tritanomaly

43.3714, 36.9192, 46.9597

Monochromacy



Original Color

46.7998, 36.9646, 63.6998

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.4738, 38.2825, 50.0558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7998, 36.9646, 63.6998 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(208, 141, 207)` looks like.

```
.text, #text, p{  
    color:rgb(208, 141, 207)  
}
```

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(208, 141, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 141, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.7998, 36.9646, 63.6998 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(208, 141, 207) }
```


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

```
.border{ border-color:rgb(208, 141, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 141, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 141, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 141, 207);  
box-shadow:4px 4px 4px 4px rgb(208, 141,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7998, 36.9646, 63.6998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 141, 207) }
```

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

```
.background{ background-color: rgb(208,  
141, 207) }
```

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