

Converting Colors

XYZ(48.4690, 37.9720, 57.0652)

Have a look what the booklet for
XYZ(48.4690, 37.9720, 57.0652)
contains.

XYZ(48.4021, 37.9407, 56.9968)	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(48.4021, 37.9407,
56.9968)**

Conversions

Conversions Part 1

Format	Color
Hex	DA8DC4
RGB	218, 141, 196
RGB Percent	85%, 55%, 77%
CMY	0.1451, 0.4470, 0.2314
CMYK	0.00, 0.35, 0.10, 0.15
HSL	317°, 51%, 70%
HSV	317°, 35%, 85%
XYZ	48.4021, 37.9407, 56.9968
YIQ	170.2930, 28.2370, 33.4290

Conversions

Conversions Part 2

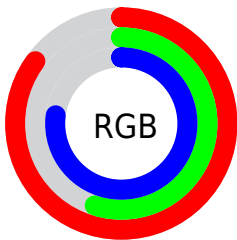
Format	Color
R _Y B	218, 141, 196
Decimal	14323140
CIE Lab	67.98, 37.31, -16.40
CIE LCh	68, 40.756, 336.275
Yxy	37.9407, 0.3377, 0.2647
Android (android.graphics.Color)	4292513220 (0xFFDA8DC4)
YUV	170.2930, 12.6736, 41.8390
Hunter-Lab	61.5960, 32.4721, -11.7457

Details

The XYZ color **48.4021, 37.9407, 56.9968** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.6684, 58.4510, 43.6861**, and the grayscale version is **38.2845, 40.2783, 43.8630**.

A 20% lighter version of the original color is **78.7096, 67.8317, 101.8729**, and **23.3552, 16.7791, 27.5989** is the 20% darker color. If you saturate the color by 10%, you get **44.8043, 31.8558, 52.3720**, and if you desaturate by 10%, it is **52.6643, 45.3060, 61.9891**.

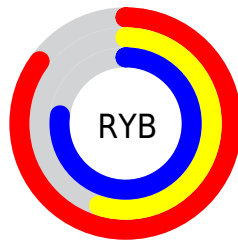
Distribution



Red (85%)

Green (55%)

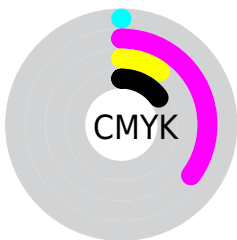
Blue (77%)



Red (85%)

Yellow (55%)

Blue (77%)

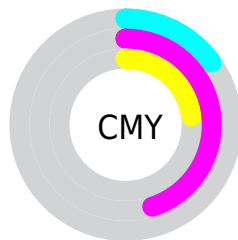


Cyan (0%)

Magenta (35%)

Yellow (10%)

Black (15%)



Cyan (15%)

Magenta (45%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4021, 37.9407, 56.9968 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 48.4021, 37.9407, 56.9968 by changing the saturation by 10% instead.

48.4021, 37.9407,
56.9968

48.4021, 37.9407,
56.9968

370.9399,
337.3655, 430.9307

34.3580, 25.9367,
40.5933

87.0089, 72.0172,
101.9608

23.3330, 16.7763,
27.6842

112.3022, 94.8585,
131.3584

14.9616, 10.0751,
17.8507

142.0761,
122.0810, 165.9245

8.8786, 5.4488,
10.6745

176.6958,
154.0691, 206.0776

4.7185, 2.5129,
5.7370

216.5266,
191.2073, 252.2362

2.1161, 0.8831,
2.6197

261.9340,

0.6980, 0.0000,

233.8798, 304.8189

0.9026

313.2833,
282.4710, 364.2442

■ 0.0000, 0.0000,
0.0000

■ 48.4021, 37.9407,
56.9968

■ 48.4021, 37.9407,
56.9968

■ 44.8043, 31.8558,
52.3720

■ 52.6643, 45.3060,
61.9891

■ 41.8298, 26.9716,
48.0980

■ 57.6219, 54.0153,
67.3599

■ 39.4382, 23.2070,
44.1601


■ 63.3084, 64.1339,
73.1222


■ 37.5826, 20.4693,
40.5408


■ 69.7537, 75.7216,
79.2877


■ 36.2088, 18.6502,
37.2202


■ 76.9863, 88.8344,
85.8676


 35.2502, 17.6174,
34.1742

 79.4352, 92.3302,
91.0064

 34.8900, 17.2961,
32.8241

 80.3430, 92.6933,
95.7866

 81.2825, 93.0691,
100.7340

 82.2541, 93.4577,
105.8503

Harmonies

Analogous

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



43.7593, 37.9407, 76.3004



48.4021, 37.9407, 56.9968



49.5753, 37.9407, 37.6141

Triad

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



48.4021, 37.9407, 56.9968



34.7464, 37.9407, 15.4320



27.1057, 37.9407, 65.5799

Complementary

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



48.4021, 37.9407, 56.9968



42.6684, 58.4510, 43.6861

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.



25.2580, 37.9407, 45.2425



48.4021, 37.9407, 56.9968



29.3239, 37.9407, 19.0862

Square

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



48.4021, 37.9407, 56.9968



41.1879, 37.9407, 16.8969



26.0199, 37.9407, 28.8045



31.3792, 37.9407, 82.1855

Rectangle

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



48.4021, 37.9407, 56.9968



48.1239, 37.9407, 27.7122



26.0199, 37.9407, 28.8045



26.2046, 37.9407, 58.7584

Sweetspot

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



48.4033, 37.9424, 56.9976



85.4816, 82.8853, 99.4769



37.2482, 31.8809, 70.5207



18.0637, 17.3272, 21.0540



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.



48.4033, 37.9424, 56.9976



65.3229, 47.8119, 76.5903



44.5840, 36.4147, 36.8859



13.4475, 13.2081, 15.6177



20.9511, 10.3815, 19.9201



1.3937, 0.6871, 1.4823

Inverse Universe

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



48.4033, 37.9424, 56.9976



65.3229, 47.8119, 76.5903



46.6372, 60.0385, 64.5855



13.4475, 13.2081, 15.6177



20.9511, 10.3815, 19.9201



1.3937, 0.6871, 1.4823

Previews

White Background



This preview shows how the XYZ color 48.4021, 37.9407, 56.9968 looks on a white background.

Color Contrast Check

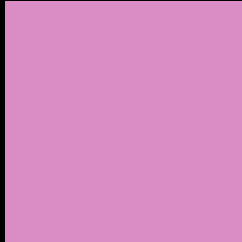
Large Text (above 18pt) WCAG AA × Fail

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 48.4021, 37.9407, 56.9968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

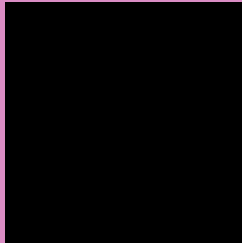
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4021, 37.9407, 56.9968

Background



This preview shows how black text looks on a background with the XYZ color 48.4021, 37.9407, 56.9968.



This preview shows how white text looks on a background with the XYZ color 48.4021, 37.9407,

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

48.4021, 37.9407, 56.9968

Protanopia

38.4856, 38.1744, 67.6273

Deuteranopia

39.0123, 38.1925, 55.1849



Tritanopia

44.5795, 37.9792, 37.7820

Trichromacy



Original Color

48.4021, 37.9407, 56.9968

Protanomaly

41.1605, 37.5803, 63.4768

Deuteranomaly

41.6748, 37.5263, 55.4989

Tritanomaly

45.5961, 37.6764, 43.8988

Monochromacy



Original Color

48.4021, 37.9407, 56.9968

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.0283, 38.6157, 47.9390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4021, 37.9407, 56.9968 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(218, 141, 196)` looks like.

```
.text, #text, p{  
    color:rgb(218, 141, 196)  
}
```

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(218, 141, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 141, 196) }
```

Border

The CSS property to change the border of an element to XYZ 48.4021, 37.9407, 56.9968 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(218, 141, 196) }
```


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

```
.border{ border-color:rgb(218, 141, 196) }
```

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

Here you see how a box with a 4 pixel rgb(218, 141, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 141, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 141, 196);  
box-shadow:4px 4px 4px 4px rgb(218, 141,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4021, 37.9407, 56.9968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 141, 196) }
```

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

```
.background{ background-color: rgb(218,  
141, 196) }
```

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