

Converting Colors

XYZ(47.3888, 37.4407, 62.6338)

Have a look what the booklet for
XYZ(47.3888, 37.4407, 62.6338)
contains.

XYZ(47.2708, 37.4554, 62.4958)	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(47.2708, 37.4554,
62.4958)**

Conversions

Conversions Part 1

Format	Color
Hex	D28ECD
RGB	210, 142, 205
RGB Percent	82%, 56%, 80%
CMY	0.1765, 0.4431, 0.1961
CMYK	0.00, 0.32, 0.02, 0.18
HSL	304°, 43%, 69%
HSV	304°, 32%, 82%
XYZ	47.2708, 37.4554, 62.4958
YIQ	169.5140, 20.3050, 34.0090

Conversions

Conversions Part 2

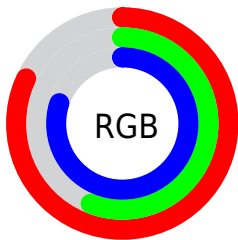
Format	Color
R _Y B	210, 142, 205
Decimal	13799117
CIE Lab	67.62, 35.73, -22.04
CIE LCh	68, 41.979, 328.325
Yxy	37.4554, 0.3211, 0.2544
Android (android.graphics.Color)	4291989197 (0xFFD28ECD)
YUV	169.5140, 17.4946, 35.5062
Hunter-Lab	61.2008, 30.7699, -17.7040

Details

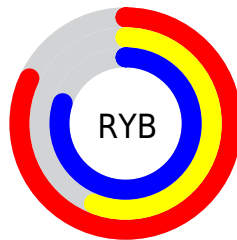
The XYZ color **47.2708, 37.4554, 62.4958** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.4699, 53.9518, 35.9394**, and the grayscale version is **37.8766, 39.8491, 43.3957**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **22.5685, 16.4167, 31.2574** is the 20% darker color. If you saturate the color by 10%, you get **44.2506, 31.7113, 60.5742**, and if you desaturate by 10%, it is **50.8837, 44.3807, 64.6249**.

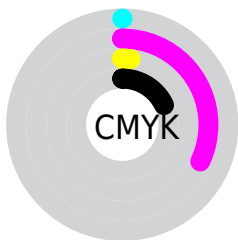
Distribution



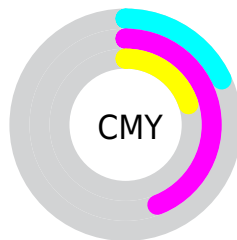
- Red (82%)
- Green (56%)
- Blue (80%)



- Red (82%)
- Yellow (56%)
- Blue (80%)



- Cyan (0%)
- Magenta (32%)
- Yellow (2%)
- Black (18%)





- Cyan (18%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2708, 37.4554, 62.4958 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 47.2708, 37.4554, 62.4958 by changing the saturation by 10% instead.


 47.2708, 37.4554,
62.4958


 47.2708, 37.4554,
62.4958


366.5253,
335.2780, 451.7948

 33.4586, 25.5603,
44.9951


 85.3340, 71.2726,
110.0203

 22.6389, 16.4950,
31.1106


 110.3157, 93.9635,
140.8812

 14.4463, 9.8751,
20.4239


139.7513,
121.0218, 177.0325

 8.5155, 5.3162,
12.5164


174.0062,
152.8319, 218.8928

 4.4811, 2.4340,
6.9696

213.4457,
189.7782, 266.8806

 1.9778, 0.8433,
3.3650

258.4351,

 0.6214, 0.0000,

232.2450, 321.4146

1.2839

309.3399,
280.6168, 382.9131

■ 0.0000, 0.0000,
0.0485

■ 0.0000, 0.0000,
0.0000

■ 47.2708, 37.4554,
62.4958

■ 47.2708, 37.4554,
62.4958

■ 44.2506, 31.7113,
60.5742

■ 50.8837, 44.3807,
64.6249

■ 41.7866, 27.0771,
58.8466

■ 55.1164, 52.5434,
66.9692

■ 39.8434, 23.4818,
57.3017

■ 59.9986, 62.0018,
69.5392

■ 38.3803, 20.8437,
55.9258

■ 65.5568, 72.8095,
72.3437

37.3505, 19.0692,
54.7033

71.8162, 85.0167,
75.3911

36.6977, 18.0460,
53.6154

74.5105, 90.0905,
77.2593

36.3791, 17.6220,
52.8520

74.7090, 90.1700,
78.3049

74.9094, 90.2501,
79.3603

75.1118, 90.3310,
80.4257

Harmonies

Analogous

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



41.8346, 37.4554, 80.8680



47.2708, 37.4554, 62.4958



49.5382, 37.4554, 41.8328

Triad

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



47.2708, 37.4554, 62.4958



35.9651, 37.4554, 14.5312



25.7344, 37.4554, 60.1289

Complementary

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



47.2708, 37.4554, 62.4958



39.4699, 53.9518, 35.9394

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.



24.5575, 37.4554, 39.7501



47.2708, 37.4554, 62.4958



30.0182, 37.4554, 16.7738

Square

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



47.2708, 37.4554, 62.4958



42.5399, 37.4554, 17.3563



26.0284, 37.4554, 24.7900



29.4596, 37.4554, 79.2355

Rectangle

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



47.2708, 37.4554, 62.4958



48.7627, 37.4554, 30.5757



26.0284, 37.4554, 24.7900



25.0491, 37.4554, 53.0403

Sweetspot

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



47.2720, 37.4571, 62.4966



87.1474, 84.6755, 104.7836



33.2566, 30.1610, 65.0425



18.4335, 17.6991, 22.3104



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.



47.2720, 37.4571, 62.4966



69.9477, 51.6440, 94.8337



43.6480, 36.0075, 43.4130



12.2717, 11.9934, 14.7067



22.2066, 10.7555, 32.3240



1.2531, 0.6060, 1.8677

Inverse Universe

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



47.2720, 37.4571, 62.4966



69.9477, 51.6440, 94.8337



42.4960, 55.1622, 51.8745



12.2717, 11.9934, 14.7067



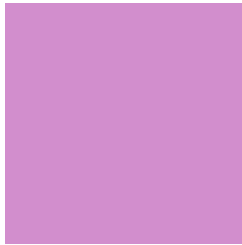
22.2066, 10.7555, 32.3240



1.2531, 0.6060, 1.8677

Previews

White Background



This preview shows how the XYZ color 47.2708, 37.4554, 62.4958 looks on a white background.

Color Contrast Check

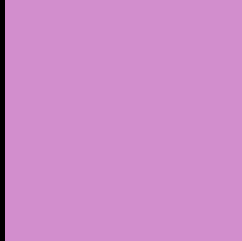
Large Text (above 18pt) WCAG AA × Fail

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 47.2708, 37.4554, 62.4958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

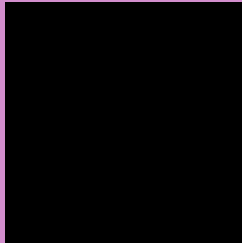
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2708, 37.4554, 62.4958

Background



This preview shows how black text looks on a background with the XYZ color 47.2708, 37.4554, 62.4958.



This preview shows how white text looks on a background with the XYZ color 47.2708, 37.4554,

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

47.2708, 37.4554, 62.4958

Protanopia

38.4099, 37.7513, 72.9724

Deuteranopia

38.5672, 37.8442, 60.5303



Tritanopia

42.3298, 37.2587, 39.1430

Trichromacy



Original Color

47.2708, 37.4554, 62.4958



Protanomaly

40.7817, 37.0069, 69.2836



Deuteranomaly

41.2044, 37.4103, 60.9263



Tritanomaly

43.9232, 37.2036, 46.9855

Monochromacy



Original Color

47.2708, 37.4554, 62.4958



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.1256, 38.8748, 50.1358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2708, 37.4554, 62.4958 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, 142, 205) looks like.

```
.text, #text, p{  
    color:rgb(210, 142, 205)  
}
```

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, 142, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 142, 205) }
```

Border

The CSS property to change the border of an element to XYZ 47.2708, 37.4554, 62.4958 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, 142, 205) }
```


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

```
.border{ border-color:rgb(210, 142, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 142, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 142, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 142, 205);  
box-shadow:4px 4px 4px 4px rgb(210, 142,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2708, 37.4554, 62.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 142, 205) }
```

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

```
.background{ background-color: rgb(210,  
142, 205) }
```

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