

Converting Colors

XYZ(47.3411, 35.7683, 68.9784)

Have a look what the booklet for
XYZ(47.3411, 35.7683, 68.9784)
contains.

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Color

**XYZ(47.2242, 35.7896,
68.7091)**

Conversions

Conversions Part 1

Format	Color
Hex	D187D7
RGB	209, 135, 215
RGB Percent	82%, 53%, 84%
CMY	0.1804, 0.4706, 0.1569
CMYK	0.03, 0.37, 0.00, 0.16
HSL	296°, 50%, 69%
HSV	296°, 37%, 84%
XYZ	47.2242, 35.7896, 68.7091
YIQ	166.2460, 18.4240, 40.5680

Conversions

Conversions Part 2

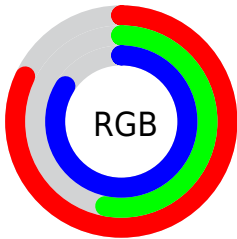
Format	Color
R _Y B	209, 135, 215
Decimal	13731799
CIE Lab	66.36, 41.02, -29.55
CIE LCh	66, 50.555, 324.234
Yxy	35.7896, 0.3113, 0.2359
Android (android.graphics.Color)	4291921879 (0xFFD187D7)
YUV	166.2460, 24.0357, 37.4953
Hunter-Lab	59.8244, 36.2116, -26.2182

Details

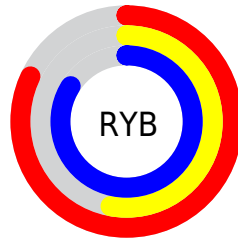
The XYZ color **47.2242, 35.7896, 68.7091** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **39.6594, 56.0138, 31.6450**, and the grayscale version is **36.2467, 38.1343, 41.5283**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **22.5753, 15.4969, 35.0591** is the 20% darker color. If you saturate the color by 10%, you get **44.0684, 30.1510, 67.7876**, and if you desaturate by 10%, it is **50.9927, 42.6450, 69.8342**.

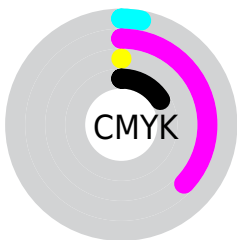
Distribution



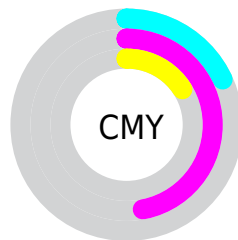
- Red (82%)
- Green (53%)
- Blue (84%)



- Red (82%)
- Yellow (53%)
- Blue (84%)



- Cyan (3%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)





- Cyan (18%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2242, 35.7896, 68.7091 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 47.2242, 35.7896, 68.7091 by changing the saturation by 10% instead.


 47.2242, 35.7896,
68.7091


 47.2242, 35.7896,
68.7091

366.3427,
328.0400, 474.6704


 33.4216, 24.2717,
50.0046

 85.2649, 68.7072,
119.0298

 22.6104, 15.5353,
35.0458


 110.2337, 90.8757,
151.4830

 14.4252, 9.1959,
23.4143


 139.6553,
117.3633, 189.3562

 8.5007, 4.8692,
14.6916

173.8951,
148.5542, 233.0678

 4.4714, 2.1707,
8.4590

213.3184,
184.8330, 283.0366

 1.9721, 0.7040,
4.2981

258.2905,

 0.6182, 0.0000,

226.5839, 339.6809

1.7902

309.1768,
274.1915, 403.4193

■ 0.0000, 0.0000,
0.4215

■ 0.0000, 0.0000,
0.0000

■ 47.2242, 35.7896,
68.7091

■ 47.2242, 35.7896,
68.7091

■ 44.0684, 30.1510,
67.7876

■ 50.9927, 42.6450,
69.8342

■ 41.4850, 25.6513,
67.0552


■ 55.4039, 50.7798,
71.1719


■ 39.4345, 22.2106,
66.4992


■ 60.4902, 60.2579,
72.7333


■ 37.8710, 19.7370,
66.1041


■ 66.2807, 71.1375,
74.5281


 36.7405, 18.1226,
65.8521


 72.8028, 83.4733,
76.5654


 35.9710, 17.2235,
65.7191

 77.1419, 91.4362,
77.8737

 35.7862, 17.0315,
65.6918

 77.6284, 91.6870,
77.8964

 78.1197, 91.9403,
77.9194

 78.6157, 92.1960,
77.9426

Harmonies

Analogous

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



40.3376, 35.7896, 90.5776



47.2242, 35.7896, 68.7091



50.6219, 35.7896, 43.3020

Triad

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



47.2242, 35.7896, 68.7091



35.4981, 35.7896, 10.4946



22.4111, 35.7896, 58.6707

Complementary

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



47.2242, 35.7896, 68.7091



39.6594, 56.0138, 31.6450

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.



21.5095, 35.7896, 34.9347



47.2242, 35.7896, 68.7091



28.3937, 35.7896, 12.0033

Square

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



47.2242, 35.7896, 68.7091



43.2379, 35.7896, 14.0135



23.5349, 35.7896, 19.3529



26.2101, 35.7896, 83.4361

Rectangle

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



47.2242, 35.7896, 68.7091



50.1378, 35.7896, 29.6048



23.5349, 35.7896, 19.3529



21.7851, 35.7896, 50.1244

Sweetspot

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



47.2254, 35.7912, 68.7099



85.9757, 82.9940, 106.0958



31.8825, 29.3060, 68.2668



18.1818, 17.3531, 22.6411



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.



47.2254, 35.7912, 68.7099



65.6091, 45.7135, 99.9733



45.0986, 35.1403, 48.4827



12.8568, 12.5831, 15.6887



21.4442, 10.2074, 39.2931



1.3214, 0.6301, 2.3713

Inverse Universe

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



41.4973, 33.6997, 29.5186



56.0680, 42.2546, 33.5744



41.3924, 56.5923, 45.9522



12.4607, 12.4358, 13.1001



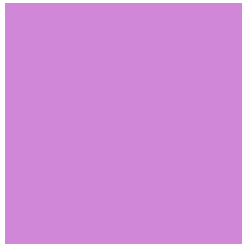
16.8334, 8.6697, 1.1607



1.0288, 0.5283, 0.1411

Previews

White Background



This preview shows how the XYZ color 47.2242, 35.7896, 68.7091 looks on a white background.

Color Contrast Check

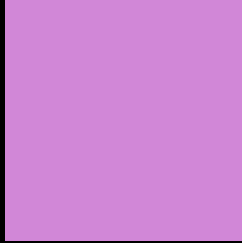
Large Text (above 18pt) WCAG AA × Fail

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 47.2242, 35.7896, 68.7091 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 47.2242, 35.7896, 68.7091

Background



This preview shows how black text looks on a background with the XYZ color 47.2242, 35.7896, 68.7091.



This preview shows how white text looks on a background with the XYZ color 47.2242, 35.7896,

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

47.2242, 35.7896, 68.7091

Protanopia

37.7307, 36.1401, 82.8290

Deuteranopia

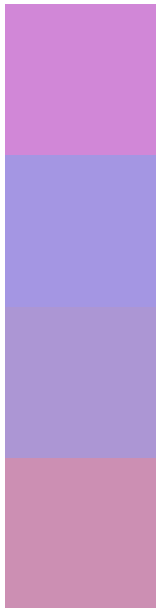
36.9185, 36.0787, 66.6461



Tritanopia

40.6927, 35.7536, 37.1041

Trichromacy



Original Color

47.2242, 35.7896, 68.7091

Protanomaly

40.0813, 35.2513, 77.3647

Deuteranomaly

39.8033, 35.3368, 67.0102

Tritanomaly

42.8610, 35.7370, 47.2867

Monochromacy



Original Color

47.2242, 35.7896, 68.7091

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.6645, 36.8485, 50.3693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2242, 35.7896, 68.7091 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(209, 135, 215)` looks like.

```
.text, #text, p{  
    color:rgb(209, 135, 215)  
}
```

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(209, 135, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 135, 215) }
```

Border

The CSS property to change the border of an element to XYZ 47.2242, 35.7896, 68.7091 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(209, 135, 215) }
```


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

```
.border{ border-color:rgb(209, 135, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 135, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 135, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 135, 215);  
box-shadow:4px 4px 4px 4px rgb(209, 135,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2242, 35.7896, 68.7091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 135, 215) }
```

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

```
.background{ background-color: rgb(209,  
135, 215) }
```

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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