

Converting Colors

XYZ(47.8716, 35.8797, 73.9454)

Have a look what the booklet for
XYZ(47.8716, 35.8797, 73.9454)
contains.

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Color

**XYZ(47.8568, 35.7878,
74.1974)**

Conversions

Conversions Part 1

Format	Color
Hex	D086DF
RGB	208, 134, 223
RGB Percent	82%, 53%, 87%
CMY	0.1843, 0.4745, 0.1255
CMYK	0.07, 0.40, 0.00, 0.13
HSL	290°, 58%, 70%
HSV	290°, 40%, 87%
XYZ	47.8568, 35.7878, 74.1974
YIQ	166.2720, 15.5350, 43.3670

Conversions

Conversions Part 2

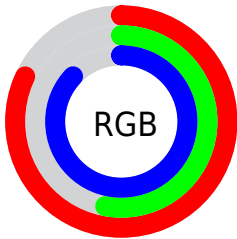
Format	Color
R _Y B	208, 134, 223
Decimal	13666015
CIE Lab	66.36, 42.79, -34.00
CIE LCh	66, 54.652, 321.527
Yxy	35.7878, 0.3032, 0.2267
Android (android.graphics.Color)	4291856095 (0xFFD086DF)
YUV	166.2720, 27.9669, 36.5955
Hunter-Lab	59.8229, 38.1054, -31.6604

Details

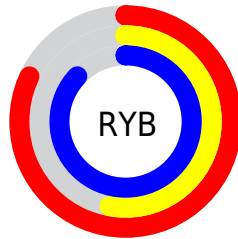
The XYZ color **47.8568, 35.7878, 74.1974** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.0863, 60.8870, 32.0374**, and the grayscale version is **36.2418, 38.1292, 41.5227**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **22.9412, 15.5000, 38.3419** is the 20% darker color. If you saturate the color by 10%, you get **44.0496, 29.7228, 73.2279**, and if you desaturate by 10%, it is **52.3413, 43.1685, 75.3862**.

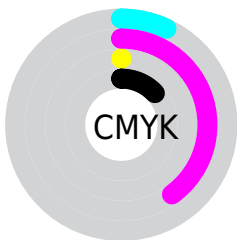
Distribution



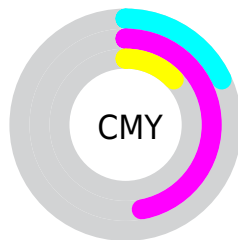
- Red (82%)
- Green (53%)
- Blue (87%)



- Red (82%)
- Yellow (53%)
- Blue (87%)



- Cyan (7%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)





- Cyan (18%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8568, 35.7878, 74.1974 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 47.8568, 35.7878, 74.1974 by changing the saturation by 10% instead.


 47.8568, 35.7878,
74.1974

 47.8568, 35.7878,
74.1974

368.8163,
328.0321, 494.3360


 33.9243, 24.2704,
54.4579


 86.2021, 68.7044,
126.9122

 22.9980, 15.5343,
38.5722

 111.3457, 90.8724,
160.7246

 14.7128, 9.1952,
26.1218


 140.9569,
117.3593, 200.0650

 8.7030, 4.8687,
16.6882

175.4012,
148.5496, 245.3519

 4.6035, 2.1704,
9.8528

215.0440,
184.8276, 297.0039

 2.0489, 0.7038,
5.1972

260.2505,

 0.6612, 0.0000,

226.5778, 355.4396

2.3026

311.3861,
274.1845, 421.0774

■ 0.0000, 0.0000,
0.7327

■ 0.0000, 0.0000,
0.0000

■ 47.8568, 35.7878,
74.1974

■ 47.8568, 35.7878,
74.1974

■ 44.0496, 29.7228,
73.2279

■ 52.3413, 43.1685,
75.3862

■ 40.8747, 24.8863,
72.4617

■ 57.5372, 51.9354,
76.8045

■ 38.2872, 21.1879,
71.8843

■ 63.4806, 62.1597,
78.4648

■ 36.2346, 18.5229,
71.4780

■ 70.2040, 73.9061,
80.3777

34.6544, 16.7667,
71.2223

77.7382, 87.2358,
82.5535

33.4383, 15.7027,
71.0811

81.8899, 93.7622,
83.5944

33.4278, 15.6940,
71.0799

83.1130, 94.3927,
83.6516

84.3623, 95.0367,
83.7101

85.6379, 95.6944,
83.7698

Harmonies

Analogous

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



40.1116, 35.7878, 97.5956



47.8568, 35.7878, 74.1974



52.0403, 35.7878, 45.9797

Triad

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



47.8568, 35.7878, 74.1974



36.3831, 35.7878, 9.2562



21.3939, 35.7878, 57.9176

Complementary

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



47.8568, 35.7878, 74.1974



43.0863, 60.8870, 32.0374

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.



20.7225, 35.7878, 32.7059



47.8568, 35.7878, 74.1974



28.5701, 35.7878, 10.3092

Square

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



47.8568, 35.7878, 74.1974



44.7555, 35.7878, 13.2899



23.1386, 35.7878, 17.1422



25.1473, 35.7878, 85.8721

Rectangle

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



47.8568, 35.7878, 74.1974



51.8475, 35.7878, 30.6499



23.1386, 35.7878, 17.1422



20.8271, 35.7878, 48.6666

Sweetspot

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



47.8580, 35.7893, 74.1982



84.1813, 81.0415, 105.8135



34.1092, 32.3116, 74.2515



17.7851, 16.9437, 22.5830



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.



47.8580, 35.7893, 74.1982



60.4366, 41.4411, 99.4213



48.7872, 36.6715, 56.0292



14.0565, 13.8126, 17.3129



19.7383, 9.2708, 41.7975



1.4290, 0.6740, 2.9000

Inverse Universe

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



44.3824, 34.9096, 32.8342



55.3415, 40.2332, 35.0851



42.7583, 60.4597, 43.6858



13.8010, 13.7380, 14.7223



18.1231, 9.3163, 2.0483



1.2850, 0.6573, 0.2936

Previews

White Background



This preview shows how the XYZ color 47.8568, 35.7878, 74.1974 looks on a white background.

Color Contrast Check

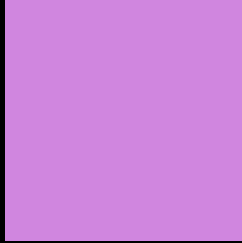
Large Text (above 18pt) WCAG AA × Fail

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 47.8568, 35.7878, 74.1974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

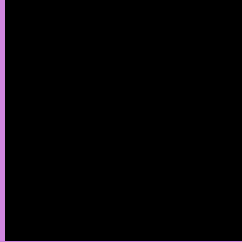
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8568, 35.7878, 74.1974

Background



This preview shows how black text looks on a background with the XYZ color 47.8568, 35.7878, 74.1974.



This preview shows how white text looks on a background with the XYZ color 47.8568, 35.7878,

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

47.8568, 35.7878, 74.1974

Protanopia

38.2487, 36.2539, 89.7758

Deuteranopia

36.9071, 35.9692, 71.3272



Tritanopia

40.4011, 35.8251, 37.5865

Trichromacy



Original Color

47.8568, 35.7878, 74.1974

Protanomaly

40.5439, 35.3424, 84.0418

Deuteranomaly

40.1868, 35.4150, 72.4279

Tritanomaly

42.6231, 35.5789, 48.8769

Monochromacy



Original Color

47.8568, 35.7878, 74.1974

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.5813, 36.5228, 51.9772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8568, 35.7878, 74.1974 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, 134, 223)` looks like.

```
.text, #text, p{  
    color:rgb(208, 134, 223)  
}
```

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, 134, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 134, 223) }
```

Border

The CSS property to change the border of an element to XYZ 47.8568, 35.7878, 74.1974 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, 134, 223) }
```


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

```
.border{ border-color:rgb(208, 134, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 134, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 134, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 134, 223);  
box-shadow:4px 4px 4px 4px rgb(208, 134,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8568, 35.7878, 74.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 134, 223) }
```

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

```
.background{ background-color: rgb(208,  
134, 223) }
```

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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