

Converting Colors

XYZ(46.8556, 35.9397, 61.2351)

Have a look what the booklet for
XYZ(46.8556, 35.9397, 61.2351)
contains.

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Color

**XYZ(46.7350, 35.9172,
60.9694)**

Conversions

Conversions Part 1

Format	Color
Hex	D488CB
RGB	212, 136, 203
RGB Percent	83%, 53%, 80%
CMY	0.1686, 0.4666, 0.2039
CMYK	0.00, 0.36, 0.04, 0.17
HSL	307°, 47%, 68%
HSV	307°, 36%, 83%
XYZ	46.7350, 35.9172, 60.9694
YIQ	166.3620, 23.7890, 36.9490

Conversions

Conversions Part 2

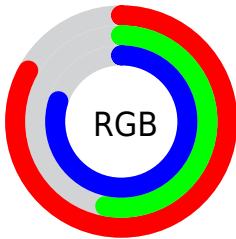
Format	Color
R _Y B	212, 136, 203
Decimal	13928651
CIE Lab	66.46, 39.23, -22.68
CIE LCh	66, 45.312, 329.964
Yxy	35.9172, 0.3254, 0.2501
Android (android.graphics.Color)	4292118731 (0xFFD488CB)
YUV	166.3620, 18.0625, 40.0245
Hunter-Lab	59.9310, 34.3176, -18.3657

Details

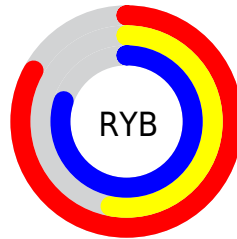
The XYZ color **46.7350, 35.9172, 60.9694** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.8092, 54.3666, 35.2386**, and the grayscale version is **36.3289, 38.2208, 41.6225**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **22.3054, 15.5785, 30.2651** is the 20% darker color. If you saturate the color by 10%, you get **43.7429, 30.4073, 58.5080**, and if you desaturate by 10%, it is **50.3247, 42.6132, 63.6546**.

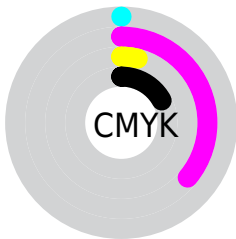
Distribution



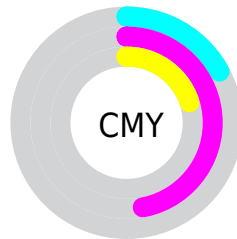
- Red (83%)
- Green (53%)
- Blue (80%)



- Red (83%)
- Yellow (53%)
- Blue (80%)



- Cyan (0%)
- Magenta (36%)
- Yellow (4%)
- Black (17%)





- Cyan (17%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7350, 35.9172, 60.9694 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 46.7350, 35.9172, 60.9694 by changing the saturation by 10% instead.


 46.7350, 35.9172,
60.9694


 46.7350, 35.9172,
60.9694


364.4224,
328.5985, 446.0652

 33.0333, 24.3703,
43.7701


 84.5391, 68.9042,
107.7917

 22.3113, 15.6085,
30.1539


 109.3721, 91.1131,
138.2518

 14.2037, 9.2476,
19.7024


 138.6464,
117.6448, 173.9692

 8.3451, 4.9030,
11.9970

172.7271,
148.8836, 215.3625

 4.3702, 2.1905,
6.6191

211.9797,
185.2140, 262.8502

 1.9136, 0.7148,
3.1502

256.7696,

 0.5847, 0.0000,

227.0204, 316.8509

1.1719

307.4620,
274.6871, 377.7831

■ 0.0000, 0.0000,
0.0000

■ 46.7350, 35.9172,
60.9694

■ 46.7350, 35.9172,
60.9694

■ 43.7429, 30.4073,
58.5080

■ 50.3247, 42.6132,
63.6546

■ 41.3100, 26.0088,
56.2565

■ 54.5407, 50.5547,
66.5723

■ 39.3987, 22.6458,
54.2025


■ 59.4141, 59.8030,
69.7332


■ 37.9654, 20.2312,
52.3314


■ 64.9726, 70.4138,
73.1467


■ 36.9593, 18.6633,
50.6262


■ 71.2426, 82.4397,
76.8217


 36.3175, 17.8164,
49.0657

 75.5751, 90.5826,
79.8754

 36.1099, 17.5805,
48.4442

 75.9064, 90.7151,
81.6198

 76.2426, 90.8496,
83.3906

 76.5839, 90.9861,
85.1879

Harmonies

Analogous

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



41.0836, 35.9172, 81.2713



46.7350, 35.9172, 60.9694



48.9302, 35.9172, 39.1311

Triad

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



46.7350, 35.9172, 60.9694



34.1464, 35.9172, 12.3662



24.0301, 35.9172, 60.9150

Complementary

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



46.7350, 35.9172, 60.9694



38.8092, 54.3666, 35.2386

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.



22.6754, 35.9172, 39.0844



46.7350, 35.9172, 60.9694



28.0234, 35.9172, 14.8341

Square

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



46.7350, 35.9172, 60.9694



41.0995, 35.9172, 14.8464



24.0365, 35.9172, 23.2180



28.0110, 35.9172, 81.2333

Rectangle

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



46.7350, 35.9172, 60.9694



47.9396, 35.9172, 27.6793



24.0365, 35.9172, 23.2180



23.2779, 35.9172, 53.3148

Sweetspot

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



46.7361, 35.9188, 60.9702



86.2151, 83.1787, 103.3392



32.3431, 28.3714, 66.0596



18.2394, 17.3975, 21.9791



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.



46.7361, 35.9188, 60.9702



67.4481, 48.0296, 89.7312



42.7606, 34.3286, 40.0350



12.8867, 12.6062, 15.3438



22.3167, 10.8630, 30.0355



1.3643, 0.6625, 1.9080

Inverse Universe

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



46.7361, 35.9188, 60.9702



67.4481, 48.0296, 89.7312



42.2316, 55.7356, 53.2606



12.8867, 12.6062, 15.3438



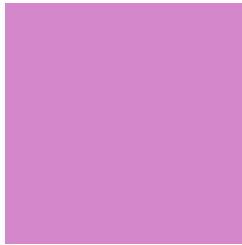
22.3167, 10.8630, 30.0355



1.3643, 0.6625, 1.9080

Previews

White Background



This preview shows how the XYZ color 46.7350, 35.9172, 60.9694 looks on a white background.

Color Contrast Check

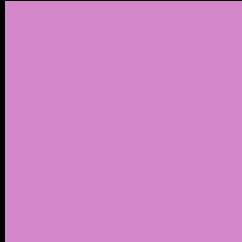
Large Text (above 18pt) WCAG AA × Fail

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 46.7350, 35.9172, 60.9694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

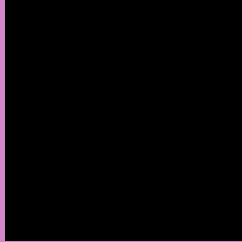
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7350, 35.9172, 60.9694

Background



This preview shows how black text looks on a background with the XYZ color 46.7350, 35.9172, 60.9694.



This preview shows how white text looks on a background with the XYZ color 46.7350, 35.9172,

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

46.7350, 35.9172, 60.9694

Protanopia

37.1236, 36.2914, 73.4549

Deuteranopia

37.0050, 36.2907, 59.0873



Tritanopia

41.5797, 35.7729, 36.1659

Trichromacy



Original Color

46.7350, 35.9172, 60.9694



Protanomaly

39.5664, 35.4233, 68.3703



Deuteranomaly

39.8520, 35.7683, 59.4471



Tritanomaly

43.2283, 35.7730, 44.1617

Monochromacy



Original Color

46.7350, 35.9172, 60.9694



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.3865, 36.7646, 47.6682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7350, 35.9172, 60.9694 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(212, 136, 203)` looks like.

```
.text, #text, p{  
    color:rgb(212, 136, 203)  
}
```

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(212, 136, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 136, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.7350, 35.9172, 60.9694 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(212, 136, 203) }
```


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

```
.border{ border-color:rgb(212, 136, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 136, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 136, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 136, 203);  
box-shadow:4px 4px 4px 4px rgb(212, 136,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7350, 35.9172, 60.9694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 136, 203) }
```

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

```
.background{ background-color: rgb(212,  
136, 203) }
```

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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