

Converting Colors

XYZ(46.3244, 37.7883, 52.0086)

Have a look what the booklet for
XYZ(46.3244, 37.7883, 52.0086)
contains.

XYZ(46.2464, 37.8357, 51.8793)	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(46.2464, 37.8357,
51.8793)**

Conversions

Conversions Part 1

Format	Color
Hex	D491BB
RGB	212, 145, 187
RGB Percent	83%, 57%, 73%
CMY	0.1686, 0.4314, 0.2667
CMYK	0.00, 0.32, 0.12, 0.17
HSL	322°, 44%, 70%
HSV	322°, 32%, 83%
XYZ	46.2464, 37.8357, 51.8793
YIQ	169.8210, 26.4500, 27.2660

Conversions

Conversions Part 2

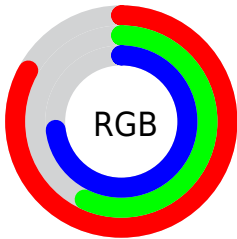
Format	Color
R_{YB}	212, 145, 187
Decimal	13930939
CIE _{Lab}	67.90, 31.63, -11.56
CIE _{LCh}	68, 33.673, 339.930
Yxy	37.8357, 0.3401, 0.2783
Android (android.graphics.Color)	4292121019 (0xFFD491BB)
YUV	169.8210, 8.4692, 36.9910
Hunter-Lab	61.5107, 26.5602, -6.9488

Details

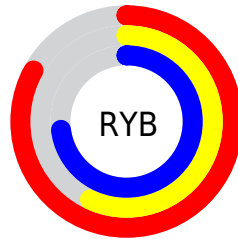
The XYZ color **46.2464, 37.8357, 51.8793** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.4778, 56.0100, 46.6049**, and the grayscale version is **38.0703, 40.0529, 43.6176**.

A 20% lighter version of the original color is **78.0719, 69.0396, 94.0052**, and **21.9277, 16.6179, 24.6061** is the 20% darker color. If you saturate the color by 10%, you get **42.4806, 31.6220, 46.5602**, and if you desaturate by 10%, it is **50.6655, 45.2804, 57.6472**.

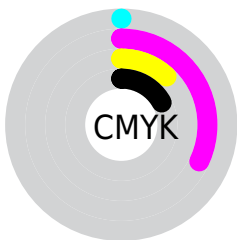
Distribution



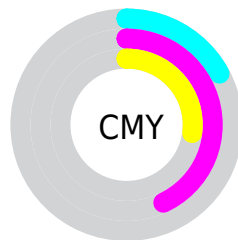
- Red (83%)
- Green (57%)
- Blue (73%)



- Red (83%)
- Yellow (57%)
- Blue (73%)



- Cyan (0%)
- Magenta (32%)
- Yellow (12%)
- Black (17%)





- Cyan (17%)
- Magenta (43%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2464, 37.8357, 51.8793 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 46.2464, 37.8357, 51.8793 by changing the saturation by 10% instead.


 46.2464, 37.8357,
51.8793


 46.2464, 37.8357,
51.8793


362.4977,
336.9146, 410.9141

 32.6457, 25.8552,
36.5273


 83.8132, 71.8562,
94.3780

 22.0131, 16.7153,
24.5488

 108.5101, 94.6651,
122.3617

 13.9832, 10.0317,
15.5253


137.6365,
121.8521, 155.3932

 8.1906, 5.4200,
9.0382


171.5577,
153.8018, 193.8908

 4.2700, 2.4957,
4.6689

210.6391,
190.8985, 238.2731

 1.8560, 0.8745,
1.9990

255.2459,

 0.5511, 0.0000,

233.5266, 288.9588

0.5547

305.7437,
282.0705, 346.3663

■ 0.0000, 0.0000,
0.0000

■ 46.2464, 37.8357,
51.8793

■ 46.2464, 37.8357,
51.8793

■ 42.4806, 31.6220,
46.5602

■ 50.6655, 45.2804,
57.6472

■ 39.3304, 26.5664,
41.6725

■ 55.7664, 54.0134,
63.8757

■ 36.7591, 22.5963,
37.2005

■ 61.5799, 64.0945,
70.5790

■ 34.7247, 19.6290,
33.1264

■ 68.1337, 75.5783,
77.7699

■ 33.1788, 17.5691,
29.4302

■ 75.4544, 88.5165,
85.4604

■ 32.0642, 16.3032,
26.0886

■ 77.8300, 91.4845,
91.7500

■ 31.3777, 15.6876,
23.5252

■ 78.9954, 91.9507,
97.8867

■ 80.2122, 92.4374,
104.2944

■ 80.9616, 92.7372,
108.2407

Harmonies

Analogous

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



42.8024, 37.8357, 67.4305



46.2464, 37.8357, 51.8793



46.7920, 37.8357, 36.4322

Triad

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



46.2464, 37.8357, 51.8793



34.2571, 37.8357, 18.8593



28.7954, 37.8357, 62.5586

Complementary

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



46.2464, 37.8357, 51.8793



42.4778, 56.0100, 46.6049

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.



26.9465, 37.8357, 46.3594



46.2464, 37.8357, 51.8793



29.8917, 37.8357, 22.8390

Square

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



46.2464, 37.8357, 51.8793



39.5204, 37.8357, 19.6520



27.3274, 37.8357, 32.0914



32.6233, 37.8357, 74.5580

Rectangle

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



46.2464, 37.8357, 51.8793



45.3889, 37.8357, 28.4451



27.3274, 37.8357, 32.0914



27.9395, 37.8357, 57.2825

Sweetspot

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



46.2475, 37.8374, 51.8801



86.8123, 85.6820, 99.5029



38.4947, 33.5041, 66.7259



18.3147, 17.8788, 20.9847



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.



46.2475, 37.8374, 51.8801



66.2492, 50.8540, 73.2323



43.1053, 36.5805, 35.3336



12.7474, 12.5504, 14.6098



19.4208, 9.7047, 14.7861



1.2108, 0.6011, 1.0997

Inverse Universe

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



46.2475, 37.8374, 51.8801



66.2492, 50.8540, 73.2323



46.0092, 57.4226, 65.2012



12.7474, 12.5504, 14.6098



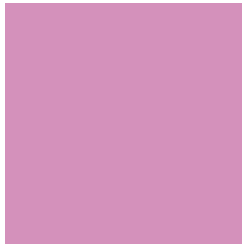
19.4208, 9.7047, 14.7861



1.2108, 0.6011, 1.0997

Previews

White Background



This preview shows how the XYZ color 46.2464, 37.8357, 51.8793 looks on a white background.

Color Contrast Check

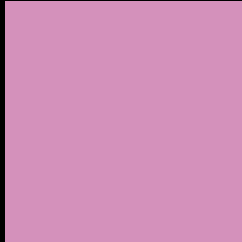
Large Text (above 18pt) WCAG AA × Fail

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 46.2464, 37.8357, 51.8793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

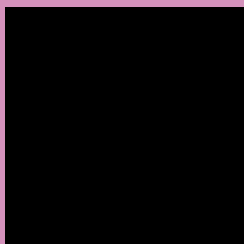
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2464, 37.8357, 51.8793

Background



This preview shows how black text looks on a background with the XYZ color 46.2464, 37.8357, 51.8793.



This preview shows how white text looks on a background with the XYZ color 46.2464, 37.8357,

51.8793.

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

46.2464, 37.8357, 51.8793

Protanopia

37.8013, 37.9902, 59.9841

Deuteranopia

38.6302, 37.8347, 50.6142



Tritanopia

43.6339, 37.9412, 38.7418

Trichromacy



Original Color

46.2464, 37.8357, 51.8793

Protanomaly

40.2674, 37.5190, 56.7493

Deuteranomaly

40.9718, 37.5103, 50.9797

Tritanomaly

44.4239, 37.7837, 42.9818

Monochromacy



Original Color

46.2464, 37.8357, 51.8793

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.5889, 38.9386, 46.4509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2464, 37.8357, 51.8793 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, 145, 187)` looks like.

```
.text, #text, p{  
    color:rgb(212, 145, 187)  
}
```

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, 145, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 145, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.2464, 37.8357, 51.8793 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, 145, 187) }
```


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

```
.border{ border-color:rgb(212, 145, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 145, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 145, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 145, 187);  
box-shadow:4px 4px 4px 4px rgb(212, 145,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2464, 37.8357, 51.8793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 145, 187) }
```

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

```
.background{ background-color: rgb(212,  
145, 187) }
```

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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