

Converting Colors

XYZ(46.2439, 37.1299, 52.7411)

Have a look what the booklet for
XYZ(46.2439, 37.1299, 52.7411)
contains.

XYZ(46.2989, 37.1663, 52.8777)	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(46.2989, 37.1663,
52.8777)**

Conversions

Conversions Part 1

Format	Color
Hex	D58EBD
RGB	213, 142, 189
RGB Percent	84%, 56%, 74%
CMY	0.1647, 0.4431, 0.2588
CMYK	0.00, 0.33, 0.11, 0.16
HSL	320°, 46%, 70%
HSV	320°, 33%, 84%
XYZ	46.2989, 37.1663, 52.8777
YIQ	168.5870, 27.2290, 29.6690

Conversions

Conversions Part 2

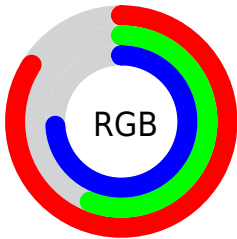
Format	Color
R _Y B	213, 142, 189
Decimal	13995709
CIE Lab	67.40, 33.92, -13.41
CIE LCh	67, 36.476, 338.431
Yxy	37.1663, 0.3396, 0.2726
Android (android.graphics.Color)	4292185789 (0xFFD58EBD)
YUV	168.5870, 10.0636, 38.9502
Hunter-Lab	60.9642, 28.8735, -8.7507

Details

The XYZ color **46.2989, 37.1663, 52.8777** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8341, 56.0936, 44.7012**, and the grayscale version is **37.4517, 39.4021, 42.9089**.

A 20% lighter version of the original color is **77.6877, 67.7851, 95.3754**, and **22.0047, 16.2580, 25.2709** is the 20% darker color. If you saturate the color by 10%, you get **42.6653, 31.1186, 47.9057**, and if you desaturate by 10%, it is **50.5791, 44.4439, 58.2575**.

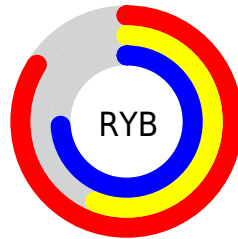
Distribution



Red (84%)

Green (56%)

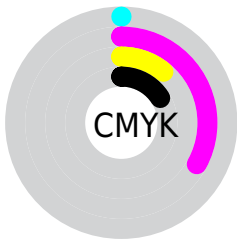
Blue (74%)



Red (84%)

Yellow (56%)

Blue (74%)

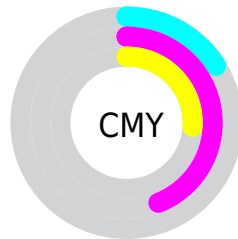


Cyan (0%)

Magenta (33%)

Yellow (11%)

Black (16%)



Cyan (16%)


Magenta (44%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2989, 37.1663, 52.8777 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 46.2989, 37.1663, 52.8777 by changing the saturation by 10% instead.


 46.2989, 37.1663,
52.8777

 46.2989, 37.1663,
52.8777

362.7049,
334.0299, 414.8687

 32.6874, 25.3363,
37.3181


 83.8913, 70.8285,
95.8641

 22.0451, 16.3278,
25.1562


 108.6028, 93.4294,
124.1280

 14.0069, 9.7564,
15.9734


137.7451,
120.3895, 157.4637

 8.2072, 5.2377,
9.3511

171.6835,
152.0930, 196.2898

 4.2807, 2.3874,
4.8710

210.7833,
188.9244, 241.0248

 1.8621, 0.8194,
2.1144

255.4099,

 0.5547, 0.0000,

231.2681, 292.0872

0.6243

305.9286,
279.5085, 349.8957

■ 0.0000, 0.0000,
0.0000

■ 46.2989, 37.1663,
52.8777

■ 46.2989, 37.1663,
52.8777

■ 42.6653, 31.1186,
47.9057

■ 50.5791, 44.4439,
58.2575

■ 39.6398, 26.2263,
43.3247

■ 55.5348, 53.0103,
64.0563

■ 37.1847, 22.4148,
39.1197


■ 61.1975, 62.9266,
70.2875


■ 35.2569, 19.5983,
35.2736


■ 67.5953, 74.2486,
76.9632


■ 33.8065, 17.6781,
31.7667


■ 74.7550, 87.0289,
84.0947


 32.7732, 16.5349,
28.5760

 77.7953, 91.5040,
90.0576

 32.2483, 16.0692,
26.5998

 78.8406, 91.9222,
95.5622

 79.9284, 92.3573,
101.2903

 81.0590, 92.8095,
107.2442

Harmonies

Analogous

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



42.4397, 37.1663, 69.7035



46.2989, 37.1663, 52.8777



47.0657, 37.1663, 36.1184

Triad

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



46.2989, 37.1663, 52.8777



33.7722, 37.1663, 17.0092



27.5537, 37.1663, 62.7866

Complementary

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



46.2989, 37.1663, 52.8777



41.8341, 56.0936, 44.7012

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.



25.7205, 37.1663, 45.1530



46.2989, 37.1663, 52.8777



29.0543, 37.1663, 20.8197

Square

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



46.2989, 37.1663, 52.8777



39.4278, 37.1663, 18.0531



26.2393, 37.1663, 30.1694



31.5180, 37.1663, 76.3949

Rectangle

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



46.2989, 37.1663, 52.8777



45.6505, 37.1663, 27.5052



26.2393, 37.1663, 30.1694



26.6879, 37.1663, 56.9718

Sweetspot

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



46.3000, 37.1680, 52.8785



86.0908, 84.2529, 99.2196



37.3410, 32.2231, 67.2030



18.1765, 17.5963, 20.9575



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.



46.3000, 37.1680, 52.8785



65.6184, 49.2373, 74.1164



42.9339, 35.8215, 35.1525



12.7663, 12.5580, 14.7096



19.7479, 9.8355, 16.5082



1.2290, 0.6084, 1.1954

Inverse Universe

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



46.3000, 37.1680, 52.8785



65.6184, 49.2373, 74.1164



45.5131, 57.5652, 64.0746



12.7663, 12.5580, 14.7096



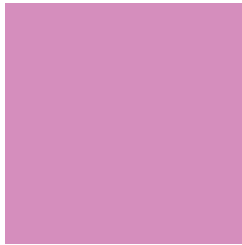
19.7479, 9.8355, 16.5082



1.2290, 0.6084, 1.1954

Previews

White Background



This preview shows how the XYZ color 46.2989, 37.1663, 52.8777 looks on a white background.

Color Contrast Check

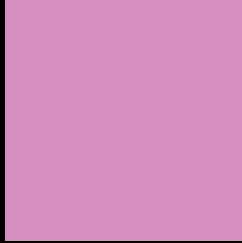
Large Text (above 18pt) WCAG AA × Fail

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 46.2989, 37.1663, 52.8777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

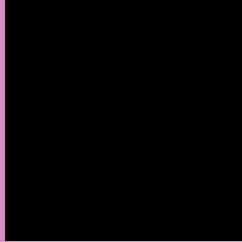
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2989, 37.1663, 52.8777

Background



This preview shows how black text looks on a background with the XYZ color 46.2989, 37.1663, 52.8777.



This preview shows how white text looks on a background with the XYZ color 46.2989, 37.1663,

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

46.2989, 37.1663, 52.8777

Protanopia

37.3943, 37.4747, 61.7624

Deuteranopia

38.2283, 37.3447, 51.6478



Tritanopia

43.1424, 37.2383, 37.7148

Trichromacy



Original Color

46.2989, 37.1663, 52.8777



Protanomaly

39.8189, 36.7500, 58.4209



Deuteranomaly

40.6106, 36.8094, 51.9782



Tritanomaly

44.1129, 37.1617, 42.8781

Monochromacy



Original Color

46.2989, 37.1663, 52.8777



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

40.2422, 38.2452, 46.3354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2989, 37.1663, 52.8777 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(213, 142, 189)` looks like.

```
.text, #text, p{  
    color:rgb(213, 142, 189)  
}
```

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(213, 142, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 142, 189) }
```

Border

The CSS property to change the border of an element to XYZ 46.2989, 37.1663, 52.8777 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(213, 142, 189) }
```


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

```
.border{ border-color:rgb(213, 142, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 142, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 142, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 142, 189);  
box-shadow:4px 4px 4px 4px rgb(213, 142,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2989, 37.1663, 52.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 142, 189) }
```

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

```
.background{ background-color: rgb(213,  
142, 189) }
```

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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