

Converting Colors

XYZ(51.8685, 37.9257, 62.9029)

Have a look what the booklet for
XYZ(51.8685, 37.9257, 62.9029)
contains.

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Color

**XYZ(51.8412, 37.8893,
62.9736)**

Conversions

Conversions Part 1

Format	Color
Hex	E585CE
RGB	229, 133, 206
RGB Percent	90%, 52%, 81%
CMY	0.1020, 0.4784, 0.1922
CMYK	0.00, 0.42, 0.10, 0.10
HSL	314°, 65%, 71%
HSV	314°, 42%, 90%
XYZ	51.8412, 37.8893, 62.9736
YIQ	170.0260, 33.7830, 43.0550

Conversions

Conversions Part 2

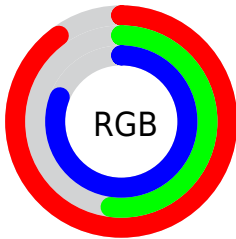
Format	Color
R _Y B	229, 133, 206
Decimal	15041998
CIE Lab	67.94, 46.72, -21.91
CIE LCh	68, 51.600, 334.872
Yxy	37.8893, 0.3395, 0.2481
Android (android.graphics.Color)	4293232078 (0xFFE585CE)
YUV	170.0260, 17.7352, 51.7202
Hunter-Lab	61.5543, 42.6132, -17.5691

Details

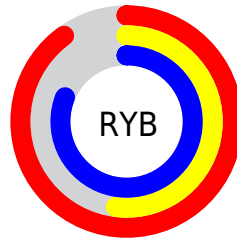
The XYZ color **51.8412, 37.8893, 62.9736** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.6946, 63.4267, 41.3947**, and the grayscale version is **38.1252, 40.1107, 43.6805**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **25.5494, 16.7750, 31.5971** is the 20% darker color. If you saturate the color by 10%, you get **48.3863, 32.0270, 58.5907**, and if you desaturate by 10%, it is **56.0052, 45.1311, 67.7084**.

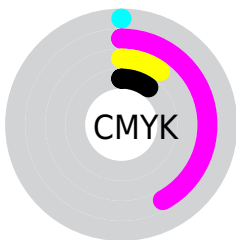
Distribution



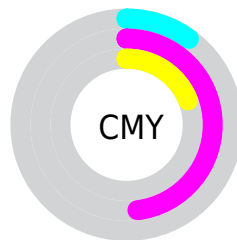
- Red (90%)
- Green (52%)
- Blue (81%)



- Red (90%)
- Yellow (52%)
- Blue (81%)



- Cyan (0%)
- Magenta (42%)
- Yellow (10%)
- Black (10%)





- Cyan (10%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8412, 37.8893, 62.9736 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 51.8412, 37.8893, 62.9736 by changing the saturation by 10% instead.


 51.8412, 37.8893,
62.9736

 51.8412, 37.8893,
62.9736


384.1573,
337.1449, 453.5790


 37.1023, 25.8968,
45.3790

 92.0726, 71.9384,
110.7166

 25.4607, 16.7464,
31.4109


 118.2958, 94.7638,
141.7021

 16.5512, 10.0539,
20.6509


 149.0778,
121.9690, 177.9883

 10.0083, 5.4347,
12.6803

184.7840,
153.9383, 219.9938

 5.4668, 2.5045,
7.0806

225.7796,
191.0561, 268.1371

 2.5612, 0.8789,
3.4334

272.4302,

 0.9262, 0.0000,

233.7069, 322.8366

1.3199

325.1009,
282.2750, 384.5111

■ 0.0000, 0.0000,
0.0781

■ 0.0000, 0.0000,
0.0000

■ 51.8412, 37.8893,
62.9736

■ 51.8412, 37.8893,
62.9736

■ 48.3863, 32.0270,
58.5907

■ 56.0052, 45.1311,
67.7084

■ 45.5917, 27.4492,
54.5412


■ 60.9157, 53.8290,
72.8076


■ 43.4082, 24.0571,
50.8079


■ 66.6117, 64.0600,
78.2858


■ 41.7778, 21.7352,
47.3703


■ 73.1286, 75.8944,
84.1557


 40.6309, 20.3445,
44.2040


 80.4993, 89.3977,
90.4295

 39.9664, 19.7194,
41.8123

 83.6418, 94.4055,
95.4143

 84.4646, 94.7347,
99.7472

 85.3123, 95.0737,
104.2108

 86.1234, 95.3982,
108.4822

Harmonies

Analogous

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



45.5600, 37.8893, 89.0814



51.8412, 37.8893, 62.9736



53.6499, 37.8893, 37.6196

Triad

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



51.8412, 37.8893, 62.9736



34.7198, 37.8893, 11.0571



24.7928, 37.8893, 71.9772

Complementary

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



51.8412, 37.8893, 62.9736



43.6946, 63.4267, 41.3947

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.



22.7385, 37.8893, 45.1174



51.8412, 37.8893, 62.9736



27.9020, 37.8893, 14.6091

Square

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



51.8412, 37.8893, 62.9736



42.9598, 37.8893, 12.8123



23.7865, 37.8893, 25.2105



29.8580, 37.8893, 95.4902

Rectangle

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



51.8412, 37.8893, 62.9736



51.8783, 37.8893, 25.3394



23.7865, 37.8893, 25.2105



23.7644, 37.8893, 62.7370

Sweetspot

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



51.8424, 37.8910, 62.9744



84.1188, 80.1418, 99.0775



36.1266, 29.4425, 77.9083



17.6461, 16.5071, 20.8680



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.



51.8424, 37.8910, 62.9744



62.4100, 41.9746, 75.6550



46.9254, 35.9243, 37.0820



14.8397, 14.5531, 17.3563



22.9000, 11.2942, 24.1659



1.7278, 0.8488, 1.9732

Inverse Universe

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



51.8424, 37.8910, 62.9744



62.4100, 41.9746, 75.6550



48.5208, 65.3572, 66.8094



14.8397, 14.5531, 17.3563



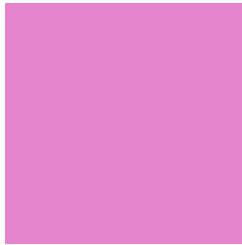
22.9000, 11.2942, 24.1659



1.7278, 0.8488, 1.9732

Previews

White Background



This preview shows how the XYZ color 51.8412, 37.8893, 62.9736 looks on a white background.

Color Contrast Check

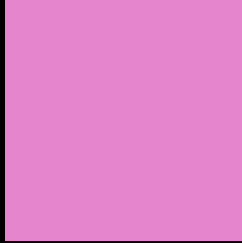
Large Text (above 18pt) WCAG AA × Fail

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 51.8412, 37.8893, 62.9736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

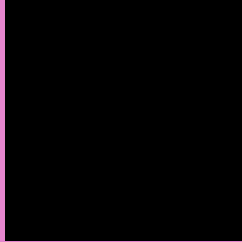
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8412, 37.8893, 62.9736

Background



This preview shows how black text looks on a background with the XYZ color 51.8412, 37.8893, 62.9736.



This preview shows how white text looks on a background with the XYZ color 51.8412, 37.8893,

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

51.8412, 37.8893, 62.9736

Protanopia

39.4509, 38.4111, 79.4635

Deuteranopia

38.9800, 38.0570, 60.5496



Tritanopia

46.2374, 37.9676, 35.4633

Trichromacy



Original Color

51.8412, 37.8893, 62.9736



Protanomaly

42.5738, 37.3500, 73.3720



Deuteranomaly

42.5851, 37.1364, 61.4235



Tritanomaly

47.9722, 37.7808, 44.2992

Monochromacy



Original Color

51.8412, 37.8893, 62.9736



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

42.0901, 38.6092, 50.0337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8412, 37.8893, 62.9736 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(229, 133, 206)` looks like.

```
.text, #text, p{  
    color:rgb(229, 133, 206)  
}
```

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(229, 133, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 133, 206) }
```

Border

The CSS property to change the border of an element to XYZ 51.8412, 37.8893, 62.9736 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(229, 133, 206) }
```


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

```
.border{ border-color:rgb(229, 133, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 133, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 133, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 133, 206);  
box-shadow:4px 4px 4px 4px rgb(229, 133,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8412, 37.8893, 62.9736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 133, 206) }
```

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

```
.background{ background-color: rgb(229,  
133, 206) }
```

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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