

Converting Colors

XYZ(52.1438, 37.5422, 81.3622)

Have a look what the booklet for
XYZ(52.1438, 37.5422, 81.3622)
contains.

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Color

**XYZ(52.3089, 37.7183,
81.6142)**

Conversions

Conversions Part 1

Format	Color
Hex	DB85E9
RGB	219, 133, 233
RGB Percent	86%, 52%, 91%
CMY	0.1412, 0.4784, 0.0863
CMYK	0.06, 0.43, 0.00, 0.09
HSL	292°, 69%, 72%
HSV	292°, 43%, 91%
XYZ	52.3089, 37.7183, 81.6142
YIQ	170.1140, 19.1560, 49.3320

Conversions

Conversions Part 2

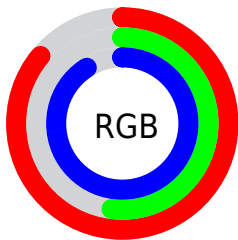
Format	Color
R _Y B	219, 133, 233
Decimal	14386665
CIE _{Lab}	67.81, 48.49, -37.17
CIE _{LCh}	68, 61.096, 322.524
Yxy	37.7183, 0.3048, 0.2198
Android (android.graphics.Color)	4292576745 (0xFFDB85E9)
YUV	170.1140, 31.0028, 42.8730
Hunter-Lab	61.4152, 44.5563, -35.7993

Details

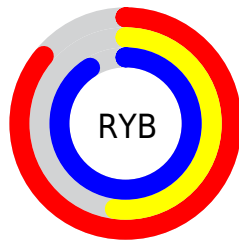
The XYZ color **52.3089, 37.7183, 81.6142** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.4064, 66.1753, 32.5720**, and the grayscale version is **38.1101, 40.0948, 43.6632**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **25.7048, 16.5930, 43.4430** is the 20% darker color. If you saturate the color by 10%, you get **48.4943, 31.5308, 80.6215**, and if you desaturate by 10%, it is **56.8528, 45.3339, 82.8452**.

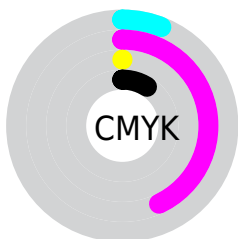
Distribution



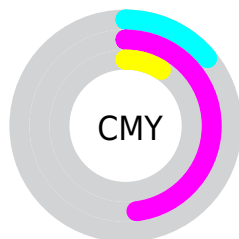
- Red (86%)
- Green (52%)
- Blue (91%)



- Red (86%)
- Yellow (52%)
- Blue (91%)



- Cyan (6%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (48%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3089, 37.7183, 81.6142 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 52.3089, 37.7183, 81.6142 by changing the saturation by 10% instead.

52.3089, 37.7183,
81.6142

52.3089, 37.7183,
81.6142

385.9324,
336.4100, 520.2058

37.4766, 25.7641,
60.5136

92.7582, 71.6762,
137.4647

25.7521, 16.6473,
43.4048

119.1059, 94.4486,
173.0516

16.7700, 9.9833,
29.8691

150.0228,
121.5960, 214.3045

10.1649, 5.3879,
19.4880

185.8742,
153.5027, 261.6418

5.5715, 2.4766,
11.8431

227.0255,
190.5530, 315.4820

2.6245, 0.8649,
6.5157

273.8421,

0.9585, 0.0000,

233.1314, 376.2437

3.0873

326.6892,
281.6223, 444.3455

■ 0.0000, 0.0000,
1.1394

■ 0.0000, 0.0000,
0.0000

■ 52.3089, 37.7183,
81.6142

■ 52.3089, 37.7183,
81.6142

■ 48.4943, 31.5308,
80.6215

■ 56.8528, 45.3339,
82.8452

■ 45.3576, 26.6718,
79.8489


■ 62.1652, 54.4586,
84.3265


■ 42.8470, 23.0367,
79.2796


■ 68.2869, 65.1733,
86.0720


■ 40.9011, 20.5029,
78.8931


■ 75.2550, 77.5516,
88.0940


 39.4458, 18.9222,
78.6647


 83.1040, 91.6625,
90.4040

 38.6295, 18.2152,
78.5713

 85.9208, 95.6798,
91.0309

 87.0295, 96.2513,
91.0828

 88.1582, 96.8332,
91.1356

 89.3069, 97.4254,
91.1894

Harmonies

Analogous

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



43.2789, 37.7183, 110.4245



52.3089, 37.7183, 81.6142



57.0772, 37.7183, 48.2258

Triad

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



52.3089, 37.7183, 81.6142



38.2690, 37.7183, 8.0462



21.5369, 37.7183, 64.4300

Complementary

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



52.3089, 37.7183, 81.6142



45.4064, 66.1753, 32.5720

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.



20.6710, 37.7183, 34.6575



52.3089, 37.7183, 81.6142



29.3241, 37.7183, 9.2970

Square

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



52.3089, 37.7183, 81.6142



48.0943, 37.7183, 12.0484



23.2660, 37.7183, 16.8290



25.8833, 37.7183, 97.8314

Rectangle

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



52.3089, 37.7183, 81.6142



56.6987, 37.7183, 30.7767



23.2660, 37.7183, 16.8290



20.8643, 37.7183, 53.4323

Sweetspot

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



52.3102, 37.7199, 81.6150



83.6846, 79.7733, 105.5949



34.9723, 32.0513, 81.4347



17.5371, 16.4149, 22.4940



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.



52.3102, 37.7199, 81.6150



60.2334, 39.8436, 99.1237



52.1860, 38.1775, 58.0459



15.4954, 15.2007, 19.0396



21.9986, 10.3766, 44.5864



1.7844, 0.8442, 3.5038

Inverse Universe

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



47.2595, 36.2068, 32.1031



53.5371, 37.9025, 30.5430



45.8810, 66.0925, 47.3864



15.1513, 15.0884, 16.0823



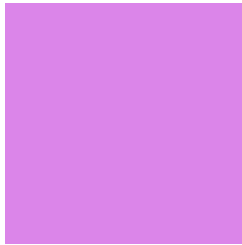
19.2470, 9.9015, 1.8362



1.5384, 0.7883, 0.2864

Previews

White Background



This preview shows how the XYZ color 52.3089, 37.7183, 81.6142 looks on a white background.

Color Contrast Check

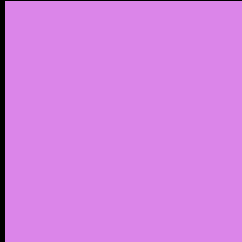
Large Text (above 18pt) WCAG AA × Fail

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 52.3089, 37.7183, 81.6142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

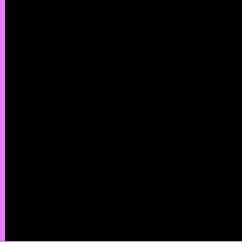
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3089, 37.7183, 81.6142

Background



This preview shows how black text looks on a background with the XYZ color 52.3089, 37.7183, 81.6142.



This preview shows how white text looks on a background with the XYZ color 52.3089, 37.7183,

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

52.3089, 37.7183, 81.6142

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

38.8164, 37.8514, 77.9333



Tritanopia

43.3871, 37.5883, 38.2262

Trichromacy



Original Color

52.3089, 37.7183, 81.6142



Protanomaly

43.3266, 37.0644, 92.8663



Deuteranomaly

42.6047, 36.9979, 79.0245



Tritanomaly

46.2327, 37.3789, 51.7918

Monochromacy



Original Color

52.3089, 37.7183, 81.6142



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

42.4216, 38.6556, 55.6775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3089, 37.7183, 81.6142 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(219, 133, 233)` looks like.

```
.text, #text, p{  
    color:rgb(219, 133, 233)  
}
```

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(219, 133, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 133, 233) }
```

Border

The CSS property to change the border of an element to XYZ 52.3089, 37.7183, 81.6142 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(219, 133, 233) }
```


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

```
.border{ border-color:rgb(219, 133, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 133, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 133, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 133, 233);  
box-shadow:4px 4px 4px 4px rgb(219, 133,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3089, 37.7183, 81.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 133, 233) }
```

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

```
.background{ background-color: rgb(219,  
133, 233) }
```

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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