

Converting Colors

XYZ(51.4175, 37.5896, 69.2134)

Have a look what the booklet for
XYZ(51.4175, 37.5896, 69.2134)
contains.

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Color

**XYZ(51.5227, 37.5802,
69.5039)**

Conversions

Conversions Part 1

Format	Color
Hex	E085D8
RGB	224, 133, 216
RGB Percent	88%, 52%, 85%
CMY	0.1216, 0.4784, 0.1529
CMYK	0.00, 0.41, 0.04, 0.12
HSL	305°, 59%, 70%
HSV	305°, 41%, 88%
XYZ	51.5227, 37.5802, 69.5039
YIQ	169.6710, 27.5930, 45.1050

Conversions

Conversions Part 2

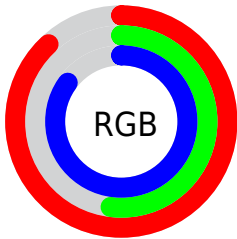
Format	Color
R_{YB}	224, 133, 216
Decimal	14714328
CIE _{Lab}	67.71, 46.86, -27.88
CIE _{LCh}	68, 54.529, 329.254
Yxy	37.5802, 0.3248, 0.2369
Android (android.graphics.Color)	4292904408 (0xFFE085D8)
YUV	169.6710, 22.8402, 47.6465
Hunter-Lab	61.3027, 42.7431, -24.3101

Details

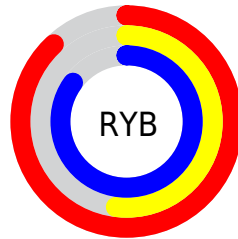
The XYZ color **51.5227, 37.5802, 69.5039** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **41.1379, 60.2223, 34.6574**, and the grayscale version is **37.9263, 39.9014, 43.4527**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **25.2380, 16.5260, 35.5779** is the 20% darker color. If you saturate the color by 10%, you get **48.5239, 31.9870, 67.2559**, and if you desaturate by 10%, it is **55.1808, 44.4857, 71.9875**.

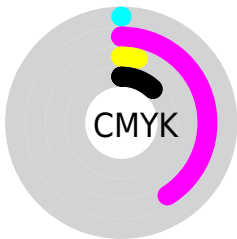
Distribution



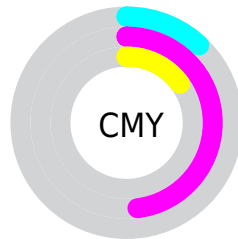
- Red (88%)
- Green (52%)
- Blue (85%)



- Red (88%)
- Yellow (52%)
- Blue (85%)



- Cyan (0%)
- Magenta (41%)
- Yellow (4%)
- Black (12%)




- Cyan (12%)
- Magenta (48%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5227, 37.5802, 69.5039 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 51.5227, 37.5802, 69.5039 by changing the saturation by 10% instead.


 51.5227, 37.5802,
69.5039


 51.5227, 37.5802,
69.5039


382.9455,
335.8157, 477.5482


 36.8475, 25.6570,
50.6479


 91.6053, 71.4642,
120.1755

 25.2626, 16.5672,
35.5537


 117.7435, 94.1939,
152.8281

 16.4026, 9.9264,
23.8027


 148.4333,
121.2945, 190.9167

 9.9021, 5.3502,
14.9765

184.0402,
153.1505, 234.8599

 5.3959, 2.4542,
8.6565

224.9296,
190.1462, 285.0760

 2.5185, 0.8536,
4.4241

271.4666,

 0.9046, 0.0000,

232.6660, 341.9838

1.8607

324.0168,
281.0944, 406.0016

■ 0.0000, 0.0000,
0.4676

■ 0.0000, 0.0000,
0.0000

■ 51.5227, 37.5802,
69.5039

■ 51.5227, 37.5802,
69.5039

■ 48.5239, 31.9870,
67.2559

■ 55.1808, 44.4857,
71.9875

■ 46.1389, 27.6172,
65.2271

■ 59.5329, 52.7750,
74.7172

■ 44.3221, 24.3789,
63.4026

■ 64.6155, 62.5204,
77.7055

■ 43.0199, 22.1650,
61.7646

■ 70.4615, 73.7877,
80.9636

42.1684, 20.8477,
60.2917

77.1017, 86.6385,
84.5016

41.6768, 20.2219,
59.0263

80.4792, 92.9588,
86.9674

80.7540, 93.0688,
88.4142

81.0319, 93.1799,
89.8776

81.3129, 93.2923,
91.3574

Harmonies

Analogous

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



44.2314, 37.5802, 96.1862



51.5227, 37.5802, 69.5039



54.4818, 37.5802, 41.5257

Triad

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



51.5227, 37.5802, 69.5039



35.9302, 37.5802, 9.8570



23.3710, 37.5802, 68.0246

Complementary

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



51.5227, 37.5802, 69.5039



41.1379, 60.2223, 34.6574

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.



21.8498, 37.5802, 40.3172



51.5227, 37.5802, 69.5039



28.3752, 37.5802, 12.3271

Square

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



51.5227, 37.5802, 69.5039



44.6541, 37.5802, 12.6006



23.5304, 37.5802, 21.4927



28.0629, 37.5802, 95.1219

Rectangle

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



51.5227, 37.5802, 69.5039



53.2922, 37.5802, 27.4513



23.5304, 37.5802, 21.4927



22.5080, 37.5802, 58.1963

Sweetspot

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



51.5239, 37.5819, 69.5047



85.6231, 81.8345, 103.6357



32.7576, 27.7850, 74.1586



18.1267, 17.1316, 22.0665



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.



51.5239, 37.5819, 69.5047



65.5605, 43.7711, 90.5923



46.4722, 35.5612, 42.9029



14.2403, 13.9138, 17.0357



24.2804, 11.7792, 34.4721



1.6985, 0.8227, 2.4709

Inverse Universe

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



51.5239, 37.5819, 69.5047



65.5605, 43.7711, 90.5923



45.2018, 61.8479, 56.0580



14.2403, 13.9138, 17.0357



24.2804, 11.7792, 34.4721



1.6985, 0.8227, 2.4709

Previews

White Background



This preview shows how the XYZ color 51.5227, 37.5802, 69.5039 looks on a white background.

Color Contrast Check

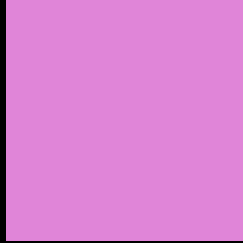
Large Text (above 18pt) WCAG AA × Fail

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 51.5227, 37.5802, 69.5039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

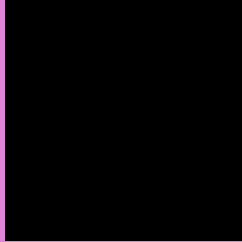
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5227, 37.5802, 69.5039

Background



This preview shows how black text looks on a background with the XYZ color 51.5227, 37.5802, 69.5039.



This preview shows how white text looks on a background with the XYZ color 51.5227, 37.5802,

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

51.5227, 37.5802, 69.5039

Protanopia

39.6617, 38.0891, 86.9229

Deuteranopia

38.7788, 37.8129, 66.8828



Tritanopia

44.9800, 37.7438, 36.8129

Trichromacy



Original Color

51.5227, 37.5802, 69.5039



Protanomaly

42.4466, 36.8839, 80.4834



Deuteranomaly

42.3683, 36.8824, 67.8368



Tritanomaly

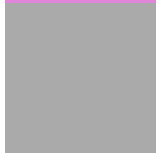
47.0760, 37.4797, 46.8726

Monochromacy



Original Color

51.5227, 37.5802, 69.5039



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

42.2618, 38.6489, 52.2463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5227, 37.5802, 69.5039 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(224, 133, 216)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 216)  
}
```

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(224, 133, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 216) }
```

Border

The CSS property to change the border of an element to XYZ 51.5227, 37.5802, 69.5039 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(224, 133, 216) }
```


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

```
.border{ border-color:rgb(224, 133, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 133, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 216);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5227, 37.5802, 69.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 216) }
```

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

```
.background{ background-color: rgb(224,  
133, 216) }
```

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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