

Converting Colors

XYZ(50.2441, 37.4156, 84.6945)

Have a look what the booklet for XYZ(50.2441, 37.4156, 84.6945) contains.

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Color

**XYZ(50.2441, 37.4156,
84.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	D089ED
RGB	208, 137, 237
RGB Percent	82%, 54%, 93%
CMY	0.1843, 0.4627, 0.0706
CMYK	0.12, 0.42, 0.00, 0.07
HSL	283°, 74%, 73%
HSV	283°, 42%, 93%
XYZ	50.2441, 37.4156, 84.6945
YIQ	169.6290, 10.2160, 46.1520

Conversions

Conversions Part 2

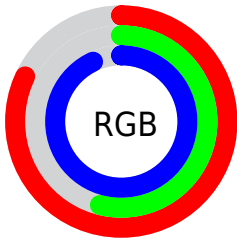
Format	Color
RYB	208, 137, 237
Decimal	13666797
CIELab	67.59, 43.99, -39.82
CIElCh	68, 59.335, 317.851
Yxy	37.4156, 0.2915, 0.2171
Android (android.graphics.Color)	4291856877 (0xFFD089ED)
YUV	169.6290, 33.2139, 33.6514
Hunter-Lab	61.1683, 39.5767, -39.2760

Details

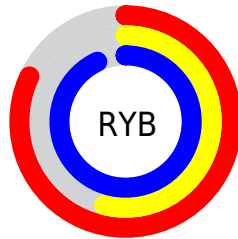
The XYZ color **50.2441, 37.4156, 84.6945** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **50.5265, 70.4824, 34.6099**, and the grayscale version is **37.8617, 39.8334, 43.3786**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **24.5379, 16.5086, 45.6093** is the 20% darker color. If you saturate the color by 10%, you get **45.3474, 30.4281, 83.6045**, and if you desaturate by 10%, it is **55.9670, 45.9291, 86.0367**.

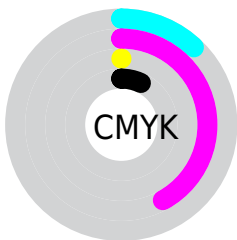
Distribution



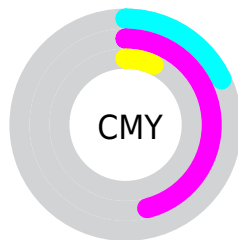
- Red (82%)
- Green (54%)
- Blue (93%)



- Red (82%)
- Yellow (54%)
- Blue (93%)



- Cyan (12%)
- Magenta (42%)
- Yellow (0%)
- Black (7%)





- Cyan (18%)
- Magenta (46%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2441, 37.4156, 84.6945 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 50.2441, 37.4156, 84.6945 by changing the saturation by 10% instead.


 50.2441, 37.4156,
84.6945

 50.2441, 37.4156,
84.6945

378.0560,
335.1064, 530.7348


 35.8260, 25.5294,
63.0403

 89.7261, 71.2115,
141.8166

 24.4693, 16.4719,
45.4326


 115.5207, 93.8901,
178.1216

 15.8087, 9.8587,
31.4529


 145.8382,
120.9349, 220.1473

 9.4789, 5.3054,
20.6826

181.0438,
152.7303, 268.3122

 5.1144, 2.4275,
12.7032

221.5031,
189.6608, 323.0349

 2.3500, 0.8400,
7.0962

267.5813,

 0.8201, 0.0000,

232.1107, 384.7339

3.4430

319.6438,
280.4644, 453.8277

■ 0.0000, 0.0000,
1.3250

■ 0.0000, 0.0000,
0.0822

■ 50.2441, 37.4156,
84.6945

■ 50.2441, 37.4156,
84.6945

■ 45.3474, 30.4281,
83.6045

■ 55.9670, 45.9291,
86.0367

■ 41.2230, 24.8634,
82.7477

■ 62.5578, 56.0535,
87.6436

■ 37.8162, 20.6129,
82.1069

■ 70.0598, 67.8729,
89.5295

■ 35.0628, 17.5495,
81.6607

■ 78.5120, 81.4640,
91.7074

■ 32.8856, 15.5207,
81.3838

■ 87.7901, 96.5767,
94.1354

■ 31.4924, 14.4691,
81.2543

■ 90.1986, 97.8183,
94.2482

■ 92.2862, 98.8945,
94.3458

Harmonies

Analogous

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



41.2249, 37.4156, 109.8578



50.2441, 37.4156, 84.6945



55.6526, 37.4156, 52.2728

Triad

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



50.2441, 37.4156, 84.6945



39.3896, 37.4156, 8.6903



21.3230, 37.4156, 58.1931

Complementary

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



50.2441, 37.4156, 84.6945



50.5265, 70.4824, 34.6099

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.



21.0029, 37.4156, 31.0407



50.2441, 37.4156, 84.6945



30.4437, 37.4156, 9.1612

Square

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



50.2441, 37.4156, 84.6945



48.7038, 37.4156, 13.6616



24.0618, 37.4156, 15.4425



25.0270, 37.4156, 90.5925

Rectangle

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



50.2441, 37.4156, 84.6945



55.9616, 37.4156, 34.2448



24.0618, 37.4156, 15.4425



20.8423, 37.4156, 48.0068

Sweetspot

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



50.2454, 37.4172, 84.6953



81.9227, 78.8650, 105.5124



39.4227, 39.0718, 85.5851



17.0988, 16.1889, 22.4735



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.



50.2454, 37.4172, 84.6953



54.0776, 36.6701, 98.8356



56.3961, 40.9070, 70.5700



15.2646, 15.0817, 19.0288



17.3301, 7.9699, 44.3679



1.4554, 0.6746, 3.4884

Inverse Universe

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



50.7547, 38.6504, 40.8630



55.1481, 38.5469, 39.0264



46.6877, 68.3219, 42.6266



15.2451, 15.1259, 16.5761



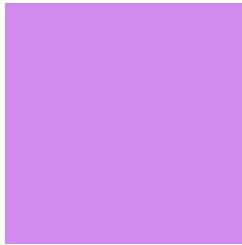
19.6990, 10.0823, 4.2165



1.5873, 0.8079, 0.5442

Previews

White Background



This preview shows how the XYZ color 50.2441, 37.4156, 84.6945 looks on a white background.

Color Contrast Check

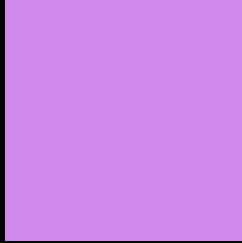
Large Text (above 18pt) WCAG AA × Fail

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 50.2441, 37.4156, 84.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

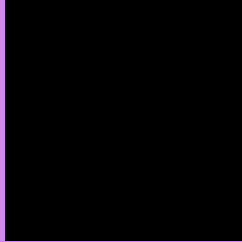
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2441, 37.4156, 84.6945

Background



This preview shows how black text looks on a background with the XYZ color 50.2441, 37.4156, 84.6945.



This preview shows how white text looks on a background with the XYZ color 50.2441, 37.4156,

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

50.2441, 37.4156, 84.6945

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

38.6472, 37.6833, 81.5806



Tritanopia

41.2087, 37.3694, 40.6384

Trichromacy



Original Color

50.2441, 37.4156, 84.6945



Protanomaly

42.6326, 36.9307, 93.6883



Deuteranomaly

41.9239, 37.0510, 82.7838



Tritanomaly

43.9251, 37.0465, 54.1258

Monochromacy



Original Color

50.2441, 37.4156, 84.6945



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.7316, 38.5391, 56.2782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2441, 37.4156, 84.6945 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(208, 137, 237)` looks like.

```
.text, #text, p{  
    color:rgb(208, 137, 237)  
}
```

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(208, 137, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 137, 237) }
```

Border

The CSS property to change the border of an element to XYZ 50.2441, 37.4156, 84.6945 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(208, 137, 237) }
```


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

```
.border{ border-color:rgb(208, 137, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 137, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 137, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 137, 237);  
box-shadow:4px 4px 4px 4px rgb(208, 137,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2441, 37.4156, 84.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 137, 237) }
```

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

```
.background{ background-color: rgb(208,  
137, 237) }
```

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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