

Converting Colors

XYZ(49.3242, 36.5207, 80.8307)

Have a look what the booklet for
XYZ(49.3242, 36.5207, 80.8307)
contains.

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Color

**XYZ(49.2419, 36.5640,
80.8062)**

Conversions

Conversions Part 1

Format	Color
Hex	D087E8
RGB	208, 135, 232
RGB Percent	82%, 53%, 91%
CMY	0.1843, 0.4706, 0.0902
CMYK	0.10, 0.42, 0.00, 0.09
HSL	285°, 68%, 72%
HSV	285°, 42%, 91%
XYZ	49.2419, 36.5640, 80.8062
YIQ	167.8850, 12.3710, 45.6430

Conversions

Conversions Part 2

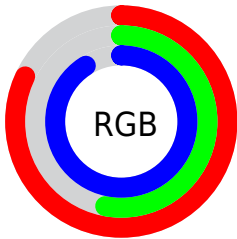
Format	Color
R _{YB}	208, 135, 232
Decimal	13666280
CIE _{Lab}	66.95, 44.04, -38.06
CIE _{LCh}	67, 58.207, 319.166
Yxy	36.5640, 0.2955, 0.2195
Android (android.graphics.Color)	4291856360 (0xFFD087E8)
YUV	167.8850, 31.6087, 35.1809
Hunter-Lab	60.4682, 39.5411, -36.9040

Details

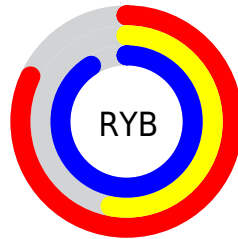
The XYZ color **49.2419, 36.5640, 80.8062** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **47.5290, 66.8343, 33.3185**, and the grayscale version is **37.0098, 38.9372, 42.4027**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **23.8786, 15.9965, 42.9034** is the 20% darker color. If you saturate the color by 10%, you get **44.7663, 29.9645, 79.7688**, and if you desaturate by 10%, it is **54.4837, 44.6071, 82.0830**.

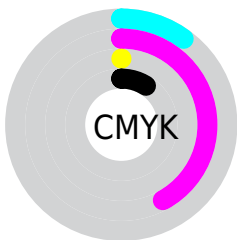
Distribution



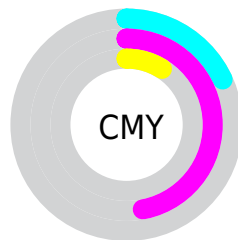
- Red (82%)
- Green (53%)
- Blue (91%)



- Red (82%)
- Yellow (53%)
- Blue (91%)



- Cyan (10%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)




- Cyan (18%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2419, 36.5640, 80.8062 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 49.2419, 36.5640, 80.8062 by changing the saturation by 10% instead.


 49.2419, 36.5640,
80.8062


 49.2419, 36.5640,
80.8062

374.1950,
331.4190, 517.4239


 35.0267, 24.8701,
59.8519


 88.2492, 69.9017,
136.3202

 23.8501, 15.9803,
42.8748


 113.7720, 92.3143,
171.7171

 15.3466, 9.5102,
29.4562


 143.7948,
119.0686, 212.7652

 9.1509, 5.0754,
19.1777

178.6828,
150.5489, 259.8831

 4.8976, 2.2916,
11.6206

218.8015,
187.1397, 313.4894

 2.2215, 0.7693,
6.3665

264.5162,

 0.7540, 0.0000,

229.2254, 374.0026

2.9968

316.1923,
277.1904, 441.8413

■ 0.0000, 0.0000,
1.0930

■ 0.0000, 0.0000,
0.0000

■ 49.2419, 36.5640,
80.8062

■ 49.2419, 36.5640,
80.8062

■ 44.7663, 29.9645,
79.7688

■ 54.4837, 44.6071,
82.0830

■ 41.0061, 24.7111,
78.9530

■ 60.5306, 54.1737,
83.6108

■ 37.9102, 20.7015,
78.3422

■ 67.4231, 65.3432,
85.4035

■ 35.4184, 17.8161,
77.9166

■ 75.1982, 78.1882,
87.4730

33.4587, 15.9118,
77.6524

83.8901, 92.7768,
89.8308

32.1551, 14.8939,
77.5246

87.0957, 96.3019,
90.3422

89.1019, 97.3362,
90.4361

91.1705, 98.4026,
90.5329

91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



40.6285, 36.5640, 105.6422



49.2419, 36.5640, 80.8062



54.2315, 36.5640, 49.6660

Triad

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



49.2419, 36.5640, 80.8062



38.0421, 36.5640, 8.6103



21.0595, 36.5640, 57.9983

Complementary

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



49.2419, 36.5640, 80.8062



47.5290, 66.8343, 33.3185

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.



20.6057, 36.5640, 31.3560



49.2419, 36.5640, 80.8062



29.4731, 36.5640, 9.2859

Square

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



49.2419, 36.5640, 80.8062



47.0747, 36.5640, 13.1962



23.4277, 36.5640, 15.7354



24.7941, 36.5640, 89.0791

Rectangle

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



49.2419, 36.5640, 80.8062



54.3471, 36.5640, 32.5599



23.4277, 36.5640, 15.7354



20.5452, 36.5640, 48.0681

Sweetspot

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



49.2432, 36.5655, 80.8070



82.4181, 79.1204, 105.5356



36.9997, 35.8610, 81.3163



17.2219, 16.2523, 22.4793



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.



49.2432, 36.5655, 80.8070



56.2757, 38.2884, 99.0321



53.2982, 39.0269, 64.2383



14.6285, 14.4263, 18.1579



17.9713, 8.3305, 43.0439



1.4110, 0.6584, 3.1847

Inverse Universe

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



48.2018, 36.9883, 37.4011



55.1561, 39.0730, 37.4565



45.1292, 65.3769, 43.1567



14.5225, 14.4262, 15.6859



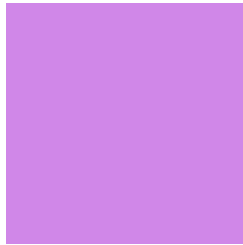
18.9328, 9.7073, 3.2749



1.4354, 0.7319, 0.4336

Previews

White Background



This preview shows how the XYZ color 49.2419, 36.5640, 80.8062 looks on a white background.

Color Contrast Check

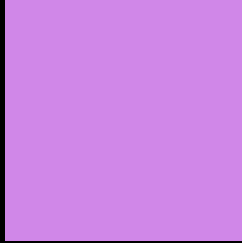
Large Text (above 18pt) WCAG AA × Fail

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 49.2419, 36.5640, 80.8062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

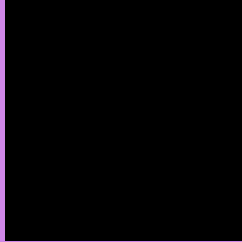
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2419, 36.5640, 80.8062

Background



This preview shows how black text looks on a background with the XYZ color 49.2419, 36.5640, 80.8062.



This preview shows how white text looks on a background with the XYZ color 49.2419, 36.5640,

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

49.2419, 36.5640, 80.8062

Protanopia

39.5063, 36.9793, 97.9840

Deuteranopia

37.7653, 36.7866, 77.7831



Tritanopia

40.7166, 36.4271, 39.0676

Trichromacy



Original Color

49.2419, 36.5640, 80.8062



Protanomaly

41.6486, 35.9949, 91.1388



Deuteranomaly

41.0970, 36.2206, 78.9540



Tritanomaly

43.4522, 36.3952, 51.7485

Monochromacy



Original Color

49.2419, 36.5640, 80.8062



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.8209, 37.6058, 54.3974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2419, 36.5640, 80.8062 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, 135, 232)` looks like.

```
.text, #text, p{  
    color:rgb(208, 135, 232)  
}
```

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, 135, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 135, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.2419, 36.5640, 80.8062 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, 135, 232) }
```


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

```
.border{ border-color:rgb(208, 135, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 135, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 135, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 135, 232);  
box-shadow:4px 4px 4px 4px rgb(208, 135,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2419, 36.5640, 80.8062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 135, 232) }
```

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

```
.background{ background-color: rgb(208,  
135, 232) }
```

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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