

Converting Colors

XYZ(50.1448, 36.4279, 63.4976)

Have a look what the booklet for
XYZ(50.1448, 36.4279, 63.4976)
contains.

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Color

**XYZ(49.9856, 36.3176,
63.4069)**

Conversions

Conversions Part 1

Format	Color
Hex	E082CF
RGB	224, 130, 207
RGB Percent	88%, 51%, 81%
CMY	0.1216, 0.4902, 0.1882
CMYK	0.00, 0.42, 0.08, 0.12
HSL	311°, 60%, 69%
HSV	311°, 42%, 88%
XYZ	49.9856, 36.3176, 63.4069
YIQ	166.8840, 31.3070, 43.8750

Conversions

Conversions Part 2

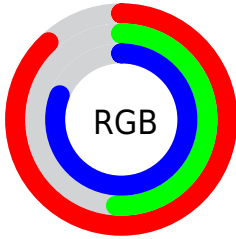
Format	Color
R_{YB}	224, 130, 207
Decimal	14713551
CIE _{Lab}	66.76, 46.86, -24.32
CIE _{LCh}	67, 52.793, 332.567
Yxy	36.3176, 0.3339, 0.2426
Android (android.graphics.Color)	4292903631 (0xFFE082CF)
YUV	166.8840, 19.7772, 50.0907
Hunter-Lab	60.2641, 42.5934, -20.1972

Details

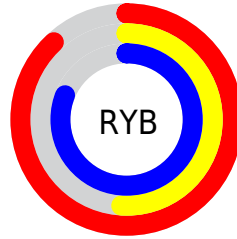
The XYZ color **49.9856, 36.3176, 63.4069** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.1297, 60.1649, 37.0515**, and the grayscale version is **36.5714, 38.4760, 41.9004**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **24.2577, 15.7902, 31.4751** is the 20% darker color. If you saturate the color by 10%, you get **46.8353, 30.7989, 59.9445**, and if you desaturate by 10%, it is **53.7994, 43.1416, 67.1539**.

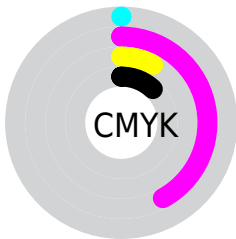
Distribution



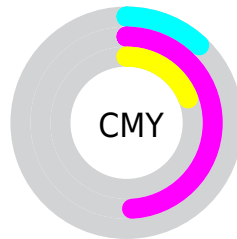
- Red (88%)
- Green (51%)
- Blue (81%)



- Red (88%)
- Yellow (51%)
- Blue (81%)



- Cyan (0%)
- Magenta (42%)
- Yellow (8%)
- Black (12%)




- Cyan (12%)
- Magenta (49%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9856, 36.3176, 63.4069 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 49.9856, 36.3176, 63.4069 by changing the saturation by 10% instead.


 49.9856, 36.3176,
63.4069

 49.9856, 36.3176,
63.4069

377.0625,
330.3466, 455.1932


 35.6197, 24.6796,
45.7274


 89.3455, 69.5220,
111.3476

 24.3094, 15.8385,
31.6836


 115.0702, 91.8572,
142.4458

 15.6893, 9.4099,
20.8571


 145.3119,
118.5268, 178.8539

 9.3940, 5.0095,
12.8294

180.4359,
149.9154, 220.9906

 5.0582, 2.2529,
7.1818

220.8076,
186.4073, 269.2744

 2.3166, 0.7486,
3.4959

266.7924,

 0.8031, 0.0000,

228.3868, 324.1237

1.3531

318.7556,
276.2385, 385.9571

■ 0.0000, 0.0000,
0.1047

■ 0.0000, 0.0000,
0.0000

■ 49.9856, 36.3176,
63.4069

■ 49.9856, 36.3176,
63.4069

■ 46.8353, 30.7989,
59.9445

■ 53.7994, 43.1416,
67.1539

■ 44.3025, 26.4956,
56.7499


■ 58.3121, 51.3435,
71.1966


■ 42.3405, 23.3141,
53.8073


■ 63.5604, 60.9962,
75.5482


■ 40.8948, 21.1451,
51.0981


■ 69.5778, 72.1662,
80.2202

 39.8994, 19.8571,
48.5999


 76.3955, 84.9157,
85.2235

 39.3389, 19.2867,
46.7155

 80.9683, 93.1545,
89.5434

 81.5483, 93.3865,
92.5978

 82.1417, 93.6238,
95.7225

 82.7485, 93.8665,
98.9179

Harmonies

Analogous

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



43.4428, 36.3176, 89.2648



49.9856, 36.3176, 63.4069



52.2037, 36.3176, 37.6102

Triad

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



49.9856, 36.3176, 63.4069



33.8369, 36.3176, 9.9065



23.1471, 36.3176, 68.1869

Complementary

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



49.9856, 36.3176, 63.4069



41.1297, 60.1649, 37.0515

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.



21.3608, 36.3176, 41.5423



49.9856, 36.3176, 63.4069



26.9091, 36.3176, 12.8890

Square

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



49.9856, 36.3176, 63.4069



42.0716, 36.3176, 11.9802



22.6252, 36.3176, 22.5738



27.9287, 36.3176, 92.6906

Rectangle

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



49.9856, 36.3176, 63.4069



50.6927, 36.3176, 24.9784



22.6252, 36.3176, 22.5738



22.2128, 36.3176, 58.8921

Sweetspot

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



49.9868, 36.3193, 63.4076



84.4210, 80.2627, 100.6689



33.2338, 27.4296, 74.0646



17.7213, 16.5372, 21.2640



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.



49.9868, 36.3193, 63.4076



63.4510, 42.3910, 81.1372



45.1870, 34.3994, 38.1326



14.1831, 13.8909, 16.7343



22.9369, 11.2418, 27.3974



1.6180, 0.7905, 2.0470

Inverse Universe

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



49.9868, 36.3193, 63.4076



63.4510, 42.3910, 81.1372



45.4515, 61.8937, 59.8100



14.1831, 13.8909, 16.7343



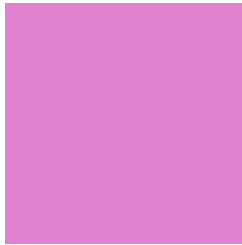
22.9369, 11.2418, 27.3974



1.6180, 0.7905, 2.0470

Previews

White Background



This preview shows how the XYZ color 49.9856, 36.3176, 63.4069 looks on a white background.

Color Contrast Check

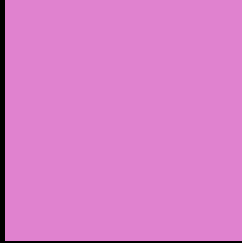
Large Text (above 18pt) WCAG AA × Fail

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 49.9856, 36.3176, 63.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

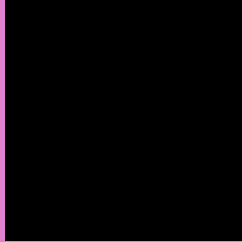
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9856, 36.3176, 63.4069

Background



This preview shows how black text looks on a background with the XYZ color 49.9856, 36.3176, 63.4069.



This preview shows how white text looks on a background with the XYZ color 49.9856, 36.3176,

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

49.9856, 36.3176, 63.4069

Protanopia

37.8382, 36.5175, 79.9172

Deuteranopia

37.3569, 36.4315, 60.9402



Tritanopia

43.8076, 36.0685, 34.3588

Trichromacy



Original Color

49.9856, 36.3176, 63.4069



Protanomaly

40.7268, 35.4267, 73.7987



Deuteranomaly

41.0174, 35.6067, 61.8377



Tritanomaly

45.9073, 36.0855, 43.5754

Monochromacy



Original Color

49.9856, 36.3176, 63.4069



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.7381, 37.1800, 49.2853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9856, 36.3176, 63.4069 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, 130, 207)` looks like.

```
.text, #text, p{  
    color:rgb(224, 130, 207)  
}
```

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, 130, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 130, 207) }
```

Border

The CSS property to change the border of an element to XYZ 49.9856, 36.3176, 63.4069 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, 130, 207) }
```


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

```
.border{ border-color:rgb(224, 130, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 130, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 130, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 130, 207);  
box-shadow:4px 4px 4px 4px rgb(224, 130,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9856, 36.3176, 63.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 130, 207) }
```

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

```
.background{ background-color: rgb(224,  
130, 207) }
```

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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