

Converting Colors

XYZ(49.9390, 36.6320, 60.5074)

Have a look what the booklet for
XYZ(49.9390, 36.6320, 60.5074)
contains.

XYZ(49.8283, 36.5044, 60.2969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.8283, 36.5044,
60.2969)**

Conversions

Conversions Part 1

Format	Color
Hex	E183CA
RGB	225, 131, 202
RGB Percent	88%, 51%, 79%
CMY	0.1176, 0.4863, 0.2078
CMYK	0.00, 0.42, 0.10, 0.12
HSL	315°, 61%, 70%
HSV	315°, 42%, 88%
XYZ	49.8283, 36.5044, 60.2969
YIQ	167.2000, 33.2330, 42.0090

Conversions

Conversions Part 2

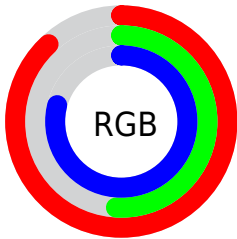
Format	Color
R _Y B	225, 131, 202
Decimal	14779338
CIE Lab	66.90, 45.82, -21.30
CIE LCh	67, 50.531, 335.068
Yxy	36.5044, 0.3398, 0.2490
Android (android.graphics.Color)	4292969418 (0xFFE183CA)
YUV	167.2000, 17.1564, 50.6906
Hunter-Lab	60.4189, 41.4785, -16.8771

Details

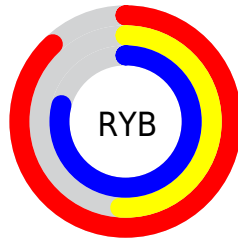
The XYZ color **49.8283, 36.5044, 60.2969** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **42.1196, 61.0100, 40.1305**, and the grayscale version is **36.7367, 38.6499, 42.0898**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **24.2181, 15.9117, 29.8118** is the 20% darker color. If you saturate the color by 10%, you get **46.4879, 30.8479, 56.0245**, and if you desaturate by 10%, it is **53.8503, 43.4858, 64.9120**.

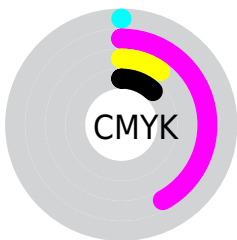
Distribution



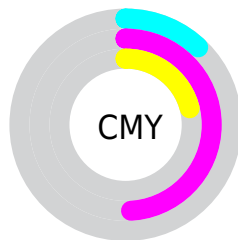
- Red (88%)
- Green (51%)
- Blue (79%)



- Red (88%)
- Yellow (51%)
- Blue (79%)



- Cyan (0%)
- Magenta (42%)
- Yellow (10%)
- Black (12%)





- Cyan (12%)
- Magenta (49%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8283, 36.5044, 60.2969 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 49.8283, 36.5044, 60.2969 by changing the saturation by 10% instead.


 49.8283, 36.5044,
60.2969


 49.8283, 36.5044,
60.2969


376.4572,
331.1598, 443.5263


 35.4942, 24.8240,
43.2311


 89.1138, 69.8099,
106.8078

 24.2121, 15.9460,
29.7338


 114.7959, 92.2038,
137.0901

 15.6166, 9.4859,
19.3863


 144.9914,
118.9376, 172.6149

 9.3424, 5.0595,
11.7701

180.0656,
150.3958, 213.8008

 5.0241, 2.2822,
6.4667

220.3840,
186.9627, 261.0663

 2.2963, 0.7643,
3.0575

266.3118,

 0.7928, 0.0000,

229.0228, 314.8301

1.1241

318.2144,
276.9603, 375.5105

■ 0.0000, 0.0000,
0.0000

■ 49.8283, 36.5044,
60.2969

■ 49.8283, 36.5044,
60.2969

■ 46.4879, 30.8479,
56.0245

■ 53.8503, 43.4858,
64.9120

■ 43.7827, 26.4253,
52.0771

■ 58.5899, 51.8653,
69.8818

■ 41.6654, 23.1422,
48.4380


■ 64.0843, 61.7166,
75.2203


■ 40.0807, 20.8883,
45.0876


■ 70.3674, 73.1068,
80.9399

■ 38.9624, 19.5313,
42.0026


■ 77.4707, 86.0989,
87.0523

 38.3021, 18.9079,
39.6334

 81.8121, 93.5279,
92.3643

 82.6203, 93.8512,
96.6202

 83.4533, 94.1844,
101.0068

 84.3114, 94.5276,
105.5255

Harmonies

Analogous

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



43.8587, 36.5044, 85.1952



49.8283, 36.5044, 60.2969



51.5199, 36.5044, 36.1387

Triad

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



49.8283, 36.5044, 60.2969



33.4124, 36.5044, 10.8082



23.9897, 36.5044, 69.2187

Complementary

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



49.8283, 36.5044, 60.2969



42.1196, 61.0100, 40.1305

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.



22.0030, 36.5044, 43.5881



49.8283, 36.5044, 60.2969



26.9081, 36.5044, 14.2652

Square

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



49.8283, 36.5044, 60.2969



41.2783, 36.5044, 12.4661



22.9874, 36.5044, 24.4937



28.8541, 36.5044, 91.5363

Rectangle

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



49.8283, 36.5044, 60.2969



49.8096, 36.5044, 24.4285



22.9874, 36.5044, 24.4937



22.9986, 36.5044, 60.4159

Sweetspot

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



49.8294, 36.5061, 60.2976



84.0927, 80.1314, 98.9401



34.8329, 28.4366, 74.8878



17.6396, 16.5045, 20.8339



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.



49.8294, 36.5061, 60.2976



62.3217, 41.9393, 75.1902



45.1754, 34.6445, 35.7900



14.1442, 13.8753, 16.5293



22.1196, 10.9149, 23.0935



1.5679, 0.7704, 1.7831

Inverse Universe

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



49.8294, 36.5061, 60.2976



62.3217, 41.9393, 75.1902



46.7042, 62.8438, 64.2726



14.1442, 13.8753, 16.5293



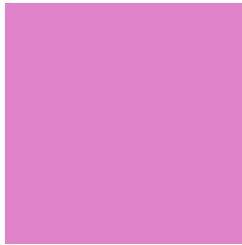
22.1196, 10.9149, 23.0935



1.5679, 0.7704, 1.7831

Previews

White Background



This preview shows how the XYZ color 49.8283, 36.5044, 60.2969 looks on a white background.

Color Contrast Check

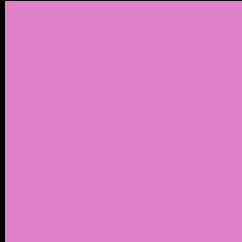
Large Text (above 18pt) WCAG AA × Fail

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 49.8283, 36.5044, 60.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

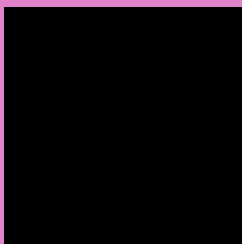
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8283, 36.5044, 60.2969

Background



This preview shows how black text looks on a background with the XYZ color 49.8283, 36.5044, 60.2969.



This preview shows how white text looks on a background with the XYZ color 49.8283, 36.5044,

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

49.8283, 36.5044, 60.2969

Protanopia

37.8765, 36.8913, 75.6454

Deuteranopia

37.5491, 36.8542, 57.9578



Tritanopia

44.4058, 36.3768, 34.3868

Trichromacy



Original Color

49.8283, 36.5044, 60.2969



Protanomaly

40.7566, 35.7692, 69.7218



Deuteranomaly

41.0638, 35.9327, 58.8042



Tritanomaly

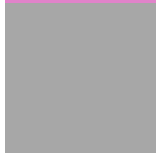
46.0202, 36.1658, 42.5854

Monochromacy



Original Color

49.8283, 36.5044, 60.2969



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.5329, 37.0979, 48.2043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8283, 36.5044, 60.2969 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(225, 131, 202)` looks like.

```
.text, #text, p{  
    color:rgb(225, 131, 202)  
}
```

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(225, 131, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 131, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.8283, 36.5044, 60.2969 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(225, 131, 202) }
```


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

```
.border{ border-color:rgb(225, 131, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 131, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 131, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 131, 202);  
box-shadow:4px 4px 4px 4px rgb(225, 131,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8283, 36.5044, 60.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 131, 202) }
```

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

```
.background{ background-color: rgb(225,  
131, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor