

Converting Colors

XYZ(49.9267, 33.7713, 64.7717)

Have a look what the booklet for
XYZ(49.9267, 33.7713, 64.7717)
contains.

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Color

**XYZ(49.9891, 33.8697,
64.8756)**

Conversions

Conversions Part 1

Format	Color
Hex	E475D2
RGB	228, 117, 210
RGB Percent	89%, 46%, 82%
CMY	0.1059, 0.5412, 0.1765
CMYK	0.00, 0.49, 0.08, 0.11
HSL	310°, 67%, 68%
HSV	310°, 49%, 89%
XYZ	49.9891, 33.8697, 64.8756
YIQ	160.7910, 36.3030, 52.4550

Conversions

Conversions Part 2

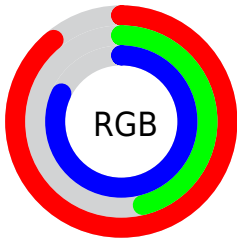
Format	Color
R _Y B	228, 117, 210
Decimal	14972370
CIE Lab	64.86, 55.07, -28.88
CIE LCh	65, 62.182, 332.323
Yxy	33.8697, 0.3361, 0.2277
Android (android.graphics.Color)	4293162450 (0xFFE475D2)
YUV	160.7910, 24.2600, 58.9423
Hunter-Lab	58.1977, 51.4773, -25.3549

Details

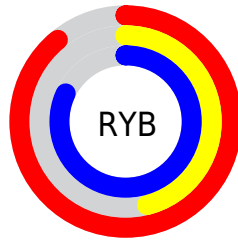
The XYZ color **49.9891, 33.8697, 64.8756** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.4542, 61.0192, 32.6224**, and the grayscale version is **33.6597, 35.4126, 38.5643**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **24.2166, 14.3579, 32.5053** is the 20% darker color. If you saturate the color by 10%, you get **47.1938, 29.0072, 61.6974**, and if you desaturate by 10%, it is **53.4441, 40.0333, 68.3269**.

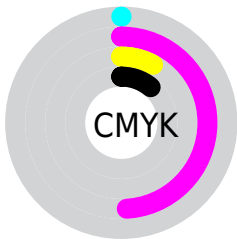
Distribution



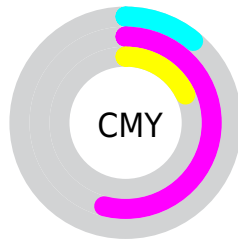
- Red (89%)
- Green (46%)
- Blue (82%)



- Red (89%)
- Yellow (46%)
- Blue (82%)



- Cyan (0%)
- Magenta (49%)
- Yellow (8%)
- Black (11%)





- Cyan (11%)
- Magenta (54%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9891, 33.8697, 64.8756 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 49.9891, 33.8697, 64.8756 by changing the saturation by 10% instead.


 49.9891, 33.8697,
64.8756

 49.9891, 33.8697,
64.8756

377.0760,
319.5507, 460.6388


 35.6225, 22.7935,
46.9095


 89.3506, 65.7310,
113.4826

 24.3115, 14.4411,
32.6103


 115.0763, 87.2849,
144.9605

 15.6909, 8.4281,
21.5594


 145.3190,
113.1001, 181.7795

 9.3951, 4.3701,
13.3383

180.4442,
143.5612, 224.3580

 5.0590, 1.8827,
7.5285

220.8171,
179.0523, 273.1147

 2.3170, 0.5379,
3.7113

266.8031,

 0.8033, 0.0000,

219.9580, 328.4680

1.4683

318.7676,
266.6627, 390.8365

■ 0.0000, 0.0000,
0.1942

■ 0.0000, 0.0000,
0.0000

■ 49.9891, 33.8697,
64.8756

■ 49.9891, 33.8697,
64.8756

■ 47.1938, 29.0072,
61.6974

■ 53.4441, 40.0333,
68.3269

■ 45.0070, 25.3454,
58.7738

■ 57.5986, 47.5792,
72.0639

■ 43.3753, 22.7772,
56.0872

■ 62.4929, 56.5877,
76.1007

■ 42.2346, 21.1740,
53.6156

■ 68.1636, 67.1314,
80.4498

■ 41.4885, 20.3436,
51.3267

■ 74.6445, 79.2781,
85.1229

■ 41.4021, 20.2569,
51.0328

■ 81.9677, 93.0918,
90.1310

■ 82.8787, 94.0636,
93.0563

■ 83.4213, 94.2806,
95.9136

■ 83.9751, 94.5021,
98.8298

Harmonies

Analogous

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



42.3121, 33.8697, 96.2711



49.9891, 33.8697, 64.8756



52.6600, 33.8697, 34.9138

Triad

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



49.9891, 33.8697, 64.8756



31.4987, 33.8697, 6.2818



19.7165, 33.8697, 70.0570

Complementary

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



49.9891, 33.8697, 64.8756



39.4542, 61.0192, 32.6224

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.



17.8625, 33.8697, 38.9152



49.9891, 33.8697, 64.8756



23.8300, 33.8697, 8.9209

Square

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



49.9891, 33.8697, 64.8756



40.8769, 33.8697, 8.1665



19.2170, 33.8697, 18.3783



24.8338, 33.8697, 100.1138

Rectangle

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



49.9891, 33.8697, 64.8756



50.9067, 33.8697, 21.1309



19.2170, 33.8697, 18.3783



18.7389, 33.8697, 58.9768

Sweetspot

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



49.9902, 33.8713, 64.8763



83.0557, 77.5838, 100.0542



30.1423, 23.3654, 76.3210



17.4570, 16.0119, 21.1658



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.



49.9902, 33.8713, 64.8763



60.9340, 37.5666, 79.6516



44.3457, 31.6134, 35.1525



14.8894, 14.5730, 17.6182



23.9441, 11.7118, 29.6640



1.7963, 0.8762, 2.3340

Inverse Universe

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



49.9902, 33.8713, 64.8763



60.9340, 37.5666, 79.6516



44.2825, 62.9506, 58.0479



14.8894, 14.5730, 17.6182



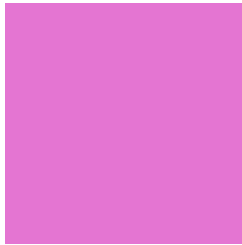
23.9441, 11.7118, 29.6640



1.7963, 0.8762, 2.3340

Previews

White Background



This preview shows how the XYZ color 49.9891, 33.8697, 64.8756 looks on a white background.

Color Contrast Check

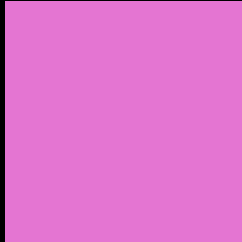
Large Text (above 18pt) WCAG AA × Fail

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 49.9891, 33.8697, 64.8756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

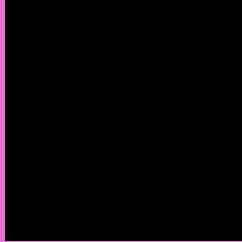
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9891, 33.8697, 64.8756

Background



This preview shows how black text looks on a background with the XYZ color 49.9891, 33.8697, 64.8756.

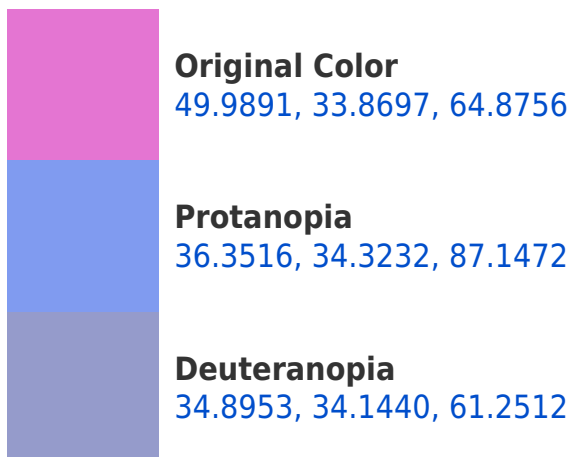


This preview shows how white text looks on a background with the XYZ color 49.9891, 33.8697,

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





Tritanopia

42.6489, 33.6712, 29.8425

Trichromacy



Original Color

49.9891, 33.8697, 64.8756



Protanomaly

38.9776, 32.5994, 78.3667



Deuteranomaly

39.0256, 32.9710, 62.6997



Tritanomaly

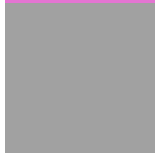
44.9958, 33.6567, 40.6841

Monochromacy



Original Color

49.9891, 33.8697, 64.8756



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

38.2697, 33.8198, 47.1587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9891, 33.8697, 64.8756 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(228, 117, 210)` looks like.

```
.text, #text, p{  
    color:rgb(228, 117, 210)  
}
```

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(228, 117, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 117, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.9891, 33.8697, 64.8756 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(228, 117, 210) }
```


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

```
.border{ border-color:rgb(228, 117, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 117, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 117, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 117, 210);  
box-shadow:4px 4px 4px 4px rgb(228, 117,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9891, 33.8697, 64.8756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 117, 210) }
```

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

```
.background{ background-color: rgb(228,  
117, 210) }
```

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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