

Converting Colors

XYZ(49.0380, 32.8138, 63.5619)

Have a look what the booklet for
XYZ(49.0380, 32.8138, 63.5619)
contains.

XYZ(49.0810, 32.9196, 63.4418)	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(49.0810, 32.9196,
63.4418)**

Conversions

Conversions Part 1

Format	Color
Hex	E372D0
RGB	227, 114, 208
RGB Percent	89%, 45%, 82%
CMY	0.1098, 0.5529, 0.1843
CMYK	0.00, 0.50, 0.08, 0.11
HSL	310°, 67%, 67%
HSV	310°, 50%, 89%
XYZ	49.0810, 32.9196, 63.4418
YIQ	158.5030, 37.1740, 53.1900

Conversions

Conversions Part 2

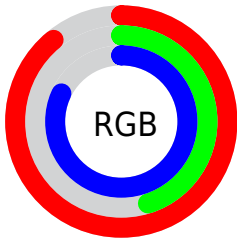
Format	Color
R _Y B	227, 114, 208
Decimal	14906064
CIE Lab	64.10, 55.90, -28.95
CIE LCh	64, 62.950, 332.621
Yxy	32.9196, 0.3375, 0.2263
Android (android.graphics.Color)	4293096144 (0xFFE372D0)
YUV	158.5030, 24.4020, 60.0719
Hunter-Lab	57.3756, 52.2875, -25.3957

Details

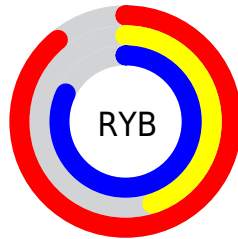
The XYZ color **49.0810, 32.9196, 63.4418** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.6436, 60.2101, 31.7775**, and the grayscale version is **32.6097, 34.3079, 37.3613**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **23.6759, 13.8629, 31.5649** is the 20% darker color. If you saturate the color by 10%, you get **46.3673, 28.2341, 60.2482**, and if you desaturate by 10%, it is **52.4435, 38.8832, 66.9080**.

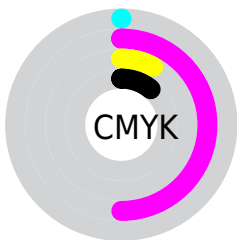
Distribution



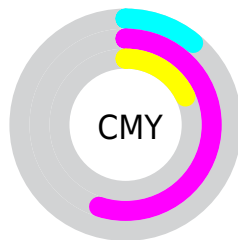
- Red (89%)
- Green (45%)
- Blue (82%)



- Red (89%)
- Yellow (45%)
- Blue (82%)



- Cyan (0%)
- Magenta (50%)
- Yellow (8%)
- Black (11%)





- Cyan (11%)
- Magenta (55%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0810, 32.9196, 63.4418 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 49.0810, 32.9196, 63.4418 by changing the saturation by 10% instead.


 49.0810, 32.9196,
63.4418


 49.0810, 32.9196,
63.4418

373.5728,
315.2873, 455.3231


 34.8985, 22.0649,
45.7554


 88.0117, 64.2500,
111.3984

 23.7509, 13.9046,
31.7056


 113.4907, 85.4944,
142.5056

 15.2727, 8.0543,
20.8738


 143.4659,
110.9709, 178.9236

 9.0985, 4.1297,
12.8414

178.3027,
141.0637, 221.0709

 4.8631, 1.7464,
7.1900

218.3665,
176.1574, 269.3659

 2.2011, 0.4534,
3.5010

264.0225,

 0.7433, 0.0000,

216.6363, 324.2272

1.3558

315.6361,
262.8848, 386.0735

■ 0.0000, 0.0000,
0.1069

■ 0.0000, 0.0000,
0.0000

■ 49.0810, 32.9196,
63.4418

■ 49.0810, 32.9196,
63.4418

■ 46.3673, 28.2341,
60.2482

■ 52.4435, 38.8832,
66.9080

■ 44.2510, 24.7262,
57.3089


■ 56.4944, 46.2062,
70.6596


■ 42.6786, 22.2883,
54.6058


■ 61.2743, 54.9688,
74.7107


■ 41.5852, 20.7904,
52.1169


■ 66.8194, 65.2433,
79.0737


 40.8605, 20.0125,
49.8052


 73.1636, 77.0975,
83.7604

 40.8457, 19.9978,
49.7549

 80.3388, 90.5947,
88.7817

 82.3938, 93.8330,
92.1543

 82.9505, 94.0557,
95.0858

 83.5191, 94.2831,
98.0800

Harmonies

Analogous

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



41.4523, 32.9196, 95.0090



49.0810, 32.9196, 63.4418



51.6901, 32.9196, 33.6489

Triad

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



49.0810, 32.9196, 63.4418



30.5130, 32.9196, 5.7906



18.9740, 32.9196, 69.2933

Complementary

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



49.0810, 32.9196, 63.4418



38.6436, 60.2101, 31.7775

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.



17.1166, 32.9196, 38.1322



49.0810, 32.9196, 63.4418



22.9397, 32.9196, 8.3808

Square

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



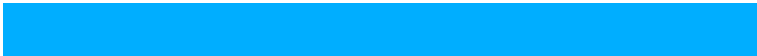
49.0810, 32.9196, 63.4418



39.8386, 32.9196, 7.5586



18.4188, 32.9196, 17.6971



24.0596, 32.9196, 99.3667

Rectangle

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



49.0810, 32.9196, 63.4418



49.8963, 32.9196, 20.1026



18.4188, 32.9196, 17.6971



18.0002, 32.9196, 58.1963

Sweetspot

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



49.0821, 32.9211, 63.4425



83.0201, 77.5696, 99.8666



29.5306, 22.5555, 75.4709



17.4483, 16.0084, 21.1202



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.



49.0821, 32.9211, 63.4425



60.1724, 36.4351, 78.1899



43.3374, 30.6233, 33.1914



14.8856, 14.5714, 17.5979



23.8588, 11.6777, 29.2152



1.7908, 0.8740, 2.3048

Inverse Universe

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



49.0821, 32.9211, 63.4425



60.1724, 36.4351, 78.1899



43.6314, 62.2052, 58.0427



14.8856, 14.5714, 17.5979



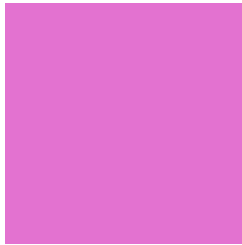
23.8588, 11.6777, 29.2152



1.7908, 0.8740, 2.3048

Previews

White Background



This preview shows how the XYZ color 49.0810, 32.9196, 63.4418 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 49.0810, 32.9196, 63.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

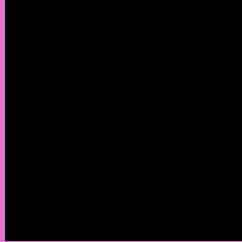
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0810, 32.9196, 63.4418

Background



This preview shows how black text looks on a background with the XYZ color 49.0810, 32.9196, 63.4418.

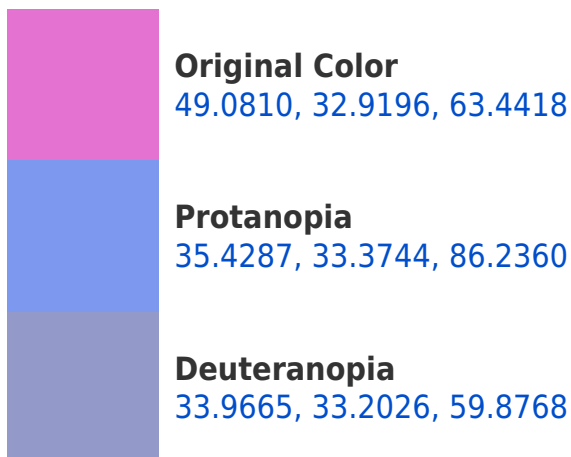


This preview shows how white text looks on a background with the XYZ color 49.0810, 32.9196,

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

41.8562, 32.8894, 28.5683

Trichromacy



Original Color

49.0810, 32.9196, 63.4418



Protanomaly

38.1365, 31.7481, 77.5168



Deuteranomaly

38.0362, 32.0550, 61.3092



Tritanomaly

44.0327, 32.6252, 39.0985

Monochromacy



Original Color

49.0810, 32.9196, 63.4418



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

37.5254, 33.0096, 45.9887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0810, 32.9196, 63.4418 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(227, 114, 208)` looks like.

```
.text, #text, p{  
    color:rgb(227, 114, 208)  
}
```

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(227, 114, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 114, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.0810, 32.9196, 63.4418 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(227, 114, 208) }
```


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

```
.border{ border-color:rgb(227, 114, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 114, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 114, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 114, 208);  
box-shadow:4px 4px 4px 4px rgb(227, 114,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0810, 32.9196, 63.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 114, 208) }
```

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

```
.background{ background-color: rgb(227,  
114, 208) }
```

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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