

# Converting Colors

XYZ(62.1108, 49.7932, 77.8898)

Have a look what the booklet for  
XYZ(62.1108, 49.7932, 77.8898)  
contains.

<b>XYZ(61.9477, 49.8078, 77.5830)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(61.9477, 49.8078,  
77.5830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEA3E1
RGB	238, 163, 225
RGB Percent	93%, 64%, 88%
CMY	0.0667, 0.3608, 0.1176
CMYK	0.00, 0.32, 0.05, 0.07
HSL	310°, 69%, 79%
HSV	310°, 32%, 93%
XYZ	61.9477, 49.8078, 77.5830
YIQ	192.4930, 24.7980, 35.1820

# Conversions

## Conversions Part 2

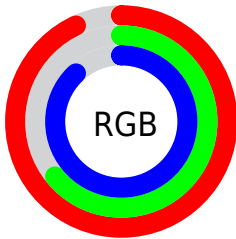
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">238, 163, 225</a>
Decimal	<a href="#">15639521</a>
CIELab	<a href="#">75.95, 37.17, -20.10</a>
CIELCh	<a href="#">76, 42.255, 331.599</a>
Yxy	<a href="#">49.8078, 0.3272, 0.2631</a>
Android (android.graphics.Color)	<a href="#">4293829601 (0xFFEEA3E1)</a>
YUV	<a href="#">192.4930, 16.0260, 39.9096</a>
Hunter-Lab	<a href="#">70.5746, 33.1748, -15.7755</a>

# Details

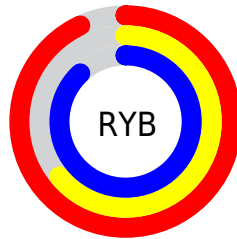
The XYZ color **61.9477, 49.8078, 77.5830** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.5174, 72.0717, 52.1679**, and the grayscale version is **50.2915, 52.9105, 57.6196**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **31.8877, 23.8779, 40.9584** is the 20% darker color. If you saturate the color by 10%, you get **57.5572, 41.9160, 73.3765**, and if you desaturate by 10%, it is **67.1500, 59.2998, 82.1283**.

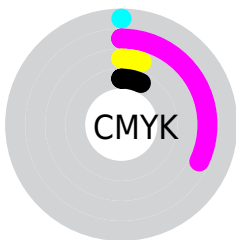
# Distribution



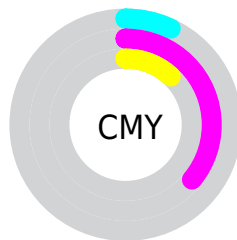
- Red (93%)
- Green (64%)
- Blue (88%)



- Red (93%)
- Yellow (64%)
- Blue (88%)



- Cyan (0%)
- Magenta (32%)
- Yellow (5%)
- Black (7%)



- Cyan (7%)
- Magenta (36%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9477, 49.8078, 77.5830 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 61.9477, 49.8078, 77.5830 by changing the saturation by 10% instead.




 61.9477, 49.8078,  
77.5830


 61.9477, 49.8078,  
77.5830


421.4609,  
385.9138, 506.2398

 45.2459, 35.2607,  
57.2171

 106.7403, 89.8900,  
131.7426

 31.8532, 23.8638,  
40.7690


 135.5618,  
116.1940, 166.3734

 21.4044, 15.2326,  
27.8203


169.1539,  
147.1856, 206.5963

 13.5341, 8.9828,  
17.9524

207.8820,  
183.2494, 252.8297

 7.8769, 4.7300,  
10.7467

252.1113,  
224.7698, 305.4922

 4.0674, 2.0897,  
5.7848

302.2074,

 1.7403, 0.6588,

272.1310, 365.0024

2.6480

358.5354,  
325.7176, 431.7787

■ 0.4813, 0.0000,  
0.9171

■ 0.0000, 0.0000,  
0.0000

■ 61.9477, 49.8078,  
77.5830

■ 61.9477, 49.8078,  
77.5830

■ 57.5572, 41.9160,  
73.3765

■ 67.1500, 59.2998,  
82.1283

■ 53.9292, 35.5282,  
69.4902

■ 73.2008, 70.4679,  
87.0235

■ 51.0159, 30.5484,  
65.9084

■ 80.1402, 83.3910,  
92.2829

■ 48.7622, 26.8667,  
62.6121

■ 86.9729, 96.0784,  
97.5751

47.1050, 24.3566,  
59.5798

87.5980, 96.3284,  
100.8672

45.9683, 22.8666,  
56.7858

88.2372, 96.5841,  
104.2333

45.3091, 22.1969,  
54.5662

88.8906, 96.8455,  
107.6739

89.0703, 96.9174,  
108.6202

# Harmonies

## Analogous

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



55.7257, 49.8078, 100.1855



61.9477, 49.8078, 77.5830



64.1464, 49.8078, 53.0314

# Triad

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



61.9477, 49.8078, 77.5830



46.9196, 49.8078, 21.4087



35.5801, 49.8078, 80.2739

# Complementary

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



61.9477, 49.8078, 77.5830



53.5174, 72.0717, 52.1679

# 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.



33.7612, 49.8078, 55.4510



61.9477, 49.8078, 77.5830



39.8422, 49.8078, 25.0481

# Square

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



61.9477, 49.8078, 77.5830



54.9140, 49.8078, 24.3321



35.2320, 49.8078, 36.1110



40.4980, 49.8078, 102.0180



# Rectangle

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



61.9477, 49.8078, 77.5830



62.8605, 49.8078, 39.7849



35.2320, 49.8078, 36.1110



34.6121, 49.8078, 71.8117

# Sweetspot

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



61.9492, 49.8100, 77.5840



87.5267, 85.9678, 103.2650



46.3237, 41.5420, 86.4668



18.4914, 17.9495, 21.9151



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.



61.9492, 49.8100, 77.5840



68.9463, 51.9328, 87.4352



57.4361, 48.0048, 53.8179



16.3298, 15.9816, 19.2928



25.3204, 12.4006, 30.6676



2.1371, 1.0439, 2.7126



# Inverse Universe

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



61.9492, 49.8100, 77.5840



68.9463, 51.9328, 87.4352



57.6909, 73.7412, 74.1454



16.3298, 15.9816, 19.2928



25.3204, 12.4006, 30.6676



2.1371, 1.0439, 2.7126



# Previews

## White Background



This preview shows how the XYZ color 61.9477, 49.8078, 77.5830 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 61.9477, 49.8078, 77.5830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

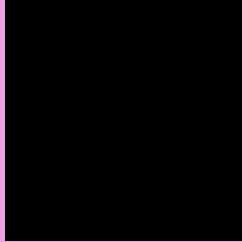
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.9477, 49.8078, 77.5830

## Background



This preview shows how black text looks on a background with the XYZ color 61.9477, 49.8078, 77.5830.



This preview shows how white text looks on a background with the XYZ color 61.9477, 49.8078,



# 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

61.9477, 49.8078, 77.5830

### Protanopia

50.6697, 50.3529, 90.2676

### Deuteranopia

50.9709, 49.9062, 75.3530



## Tritanopia

56.8189, 49.9101, 51.9863

# Trichromacy



## Original Color

61.9477, 49.8078, 77.5830



## Protanomaly

53.9417, 49.7093, 85.3491



## Deuteranomaly

54.4423, 49.5900, 75.8096



## Tritanomaly

58.5724, 49.7910, 60.5563

# Monochromacy



## Original Color

61.9477, 49.8078, 77.5830



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

53.7175, 50.9627, 64.1323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9477, 49.8078, 77.5830 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(238, 163, 225)` looks like.

```
.text, #text, p{  
    color:rgb(238, 163, 225)  
}
```

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(238, 163, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 163, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9477, 49.8078, 77.5830 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(238, 163, 225) }
```



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

```
.border{ border-color:rgb(238, 163, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 163, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 163, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 163, 225);  
box-shadow:4px 4px 4px 4px rgb(238, 163,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9477, 49.8078, 77.5830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 163, 225) }
```

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

```
.background{ background-color: rgb(238,  
163, 225) }
```

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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