

# Converting Colors

XYZ(61.1892, 47.5727, 85.3160)

Have a look what the booklet for  
XYZ(61.1892, 47.5727, 85.3160)  
contains.

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# Color

**XYZ(61.1290, 47.6625,  
85.3348)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EA9DEC
RGB	234, 157, 236
RGB Percent	92%, 62%, 93%
CMY	0.0823, 0.3843, 0.0745
CMYK	0.01, 0.33, 0.00, 0.07
HSL	298°, 68%, 77%
HSV	298°, 33%, 93%
XYZ	61.1290, 47.6625, 85.3348
YIQ	189.0290, 20.5330, 40.8930

# Conversions

## Conversions Part 2

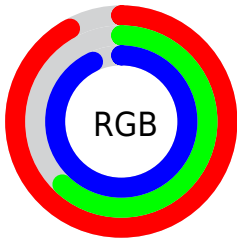
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 157, 236
Decimal	15375852
CIE <sub>Lab</sub>	74.61, 41.02, -28.17
CIE <sub>LCh</sub>	75, 49.765, 325.525
Yxy	47.6625, 0.3149, 0.2455
Android (android.graphics.Color)	4293565932 (0xFFEA9DEC)
YUV	189.0290, 23.1567, 39.4396
Hunter-Lab	69.0380, 37.2344, -24.9591

# Details

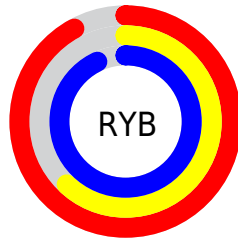
The XYZ color **61.1290, 47.6625, 85.3348** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.3809, 69.7973, 42.7175**, and the grayscale version is **48.2513, 50.7641, 55.2821**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **31.3200, 22.5430, 45.8805** is the 20% darker color. If you saturate the color by 10%, you get **57.3200, 40.3342, 84.1217**, and if you desaturate by 10%, it is **65.7129, 56.5376, 86.8070**.

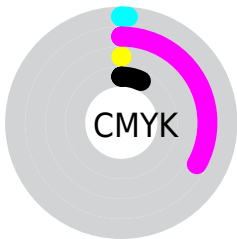
# Distribution



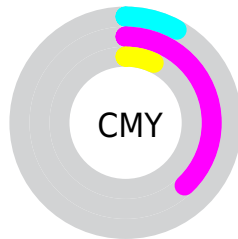
- Red (92%)
- Green (62%)
- Blue (93%)



- Red (92%)
- Yellow (62%)
- Blue (93%)



- Cyan (1%)
- Magenta (33%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (38%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1290, 47.6625, 85.3348 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 61.1290, 47.6625, 85.3348 by changing the saturation by 10% instead.




 61.1290, 47.6625,  
85.3348


 61.1290, 47.6625,  
85.3348


418.5152,  
377.4528, 532.9087

 44.5822, 33.5597,  
63.5663


 105.5628, 86.7017,  
142.7192

 31.3284, 22.5555,  
45.8556


 134.1804,  
112.4069, 179.1721

 21.0021, 14.2657,  
31.7840


167.5525,  
142.7483, 221.3570

 13.2380, 8.3057,  
20.9331

206.0442,  
178.1103, 269.6923

 7.6708, 4.2912,  
12.8844

250.0210,  
218.8774, 324.5966

 3.9350, 1.8377,  
7.2192

299.8482,

 1.6654, 0.5105,

265.4339, 386.4884

3.5190

355.8911,  
318.1642, 455.7862

■ 0.4345, 0.0000,  
1.3654

■ 0.0000, 0.0000,  
0.1145

■ 61.1290, 47.6625,  
85.3348

■ 61.1290, 47.6625,  
85.3348

■ 57.3200, 40.3342,  
84.1217

■ 65.7129, 56.5376,  
86.8070

■ 54.2367, 34.4572,  
83.1499

■ 71.1079, 67.0352,  
88.5489

■ 51.8315, 29.9355,  
82.4039

■ 77.3539, 79.2335,  
90.5742

■ 50.0492, 26.6586,  
81.8653

■ 84.4864, 93.2040,  
92.8948

48.8261, 24.4990,  
81.5129

85.8215, 95.5786,  
93.2828

48.0845, 23.3016,  
81.3209

86.0213, 95.6816,  
93.2922

47.7826, 22.8838,  
81.2562

86.2217, 95.7849,  
93.3015

86.4228, 95.8886,  
93.3109

86.6245, 95.9926,  
93.3204

# Harmonies

## Analogous

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



53.1807, 47.6625, 110.7465



61.1290, 47.6625, 85.3348



64.8514, 47.6625, 55.8631

# Triad

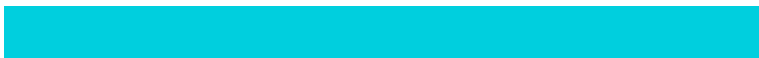
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.1290, 47.6625, 85.3348



46.6665, 47.6625, 16.4934



31.4032, 47.6625, 76.3335

# Complementary

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



61.1290, 47.6625, 85.3348



50.3809, 69.7973, 42.7175

# 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.



30.1381, 47.6625, 48.1220



61.1290, 47.6625, 85.3348



38.2422, 47.6625, 18.7750

# Square

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



61.1290, 47.6625, 85.3348



55.8278, 47.6625, 20.8091



32.4735, 47.6625, 28.5815



36.1897, 47.6625, 104.4552



# Rectangle

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



61.1290, 47.6625, 85.3348



64.1188, 47.6625, 39.7221



32.4735, 47.6625, 28.5815



30.5815, 47.6625, 66.3340

# Sweetspot

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



61.1305, 47.6646, 85.3358



87.2108, 84.6735, 106.3549



41.5543, 38.2412, 84.5487



18.4489, 17.6986, 22.6938



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.



61.1305, 47.6646, 85.3358



69.7379, 50.7762, 100.7329



56.9749, 46.0786, 60.0070



15.6749, 15.2932, 19.0480



26.3561, 12.6230, 44.7903



2.0816, 0.9974, 3.5177



# Inverse Universe

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



52.9086, 44.4521, 38.5944



58.5966, 46.4286, 37.1402



53.6243, 71.0492, 61.8499



15.0809, 15.0602, 15.7115



19.0929, 9.8398, 1.0245

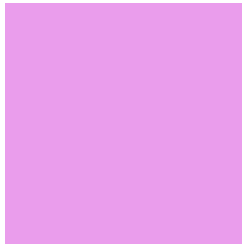


1.5047, 0.7748, 0.1092



# Previews

## White Background



This preview shows how the XYZ color 61.1290, 47.6625, 85.3348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

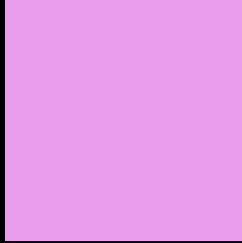
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1290, 47.6625, 85.3348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

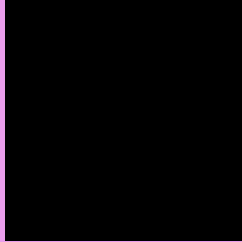
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.1290, 47.6625, 85.3348**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.1290, 47.6625, 85.3348.



This preview shows how white text looks on a background with the XYZ color 61.1290, 47.6625,

85.3348.

# 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

61.1290, 47.6625, 85.3348

### Protanopia

49.3136, 47.8849, 100.4095

### Deuteranopia

49.0182, 47.8158, 82.9898



## Tritanopia

54.0217, 47.6724, 50.0705

# Trichromacy



## Original Color

61.1290, 47.6625, 85.3348



## Protanomaly

52.2801, 46.9118, 94.2951



## Deuteranomaly

52.7492, 47.3940, 83.4586



## Tritanomaly

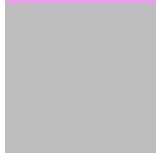
56.4512, 47.5910, 61.4690

# Monochromacy



## Original Color

61.1290, 47.6625, 85.3348



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

52.0396, 48.8796, 65.0845

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1290, 47.6625, 85.3348 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(234, 157, 236)` looks like.

```
.text, #text, p{  
    color:rgb(234, 157, 236)  
}
```

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(234, 157, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 157, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1290, 47.6625, 85.3348 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(234, 157, 236) }
```



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

```
.border{ border-color:rgb(234, 157, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 157, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 157, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 157, 236);  
box-shadow:4px 4px 4px 4px rgb(234, 157,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1290, 47.6625, 85.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 157, 236) }
```

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

```
.background{ background-color: rgb(234,  
157, 236) }
```

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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