

# Converting Colors

XYZ(61.3578, 53.2725, 76.8047)

Have a look what the booklet for  
XYZ(61.3578, 53.2725, 76.8047)  
contains.

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# Color

**XYZ(61.1577, 53.0364,  
76.8257)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5B0DF
RGB	229, 176, 223
RGB Percent	90%, 69%, 87%
CMY	0.1020, 0.3098, 0.1255
CMYK	0.00, 0.23, 0.03, 0.10
HSL	307°, 50%, 79%
HSV	307°, 23%, 90%
XYZ	61.1577, 53.0364, 76.8257
YIQ	197.2050, 16.5010, 25.8530

# Conversions

## Conversions Part 2

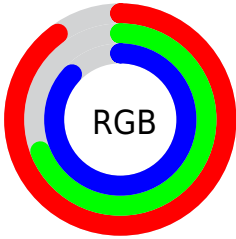
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	229, 176, 223
Decimal	15053023
CIE <sub>Lab</sub>	77.90, 26.93, -16.16
CIE <sub>LCh</sub>	78, 31.409, 329.034
Y <sub>xy</sub>	53.0364, 0.3202, 0.2776
Android (android.graphics.Color)	4293243103 (0xFFE5B0DF)
YUV	197.2050, 12.7169, 27.8842
Hunter-Lab	72.8261, 22.4546, -11.5679

# Details

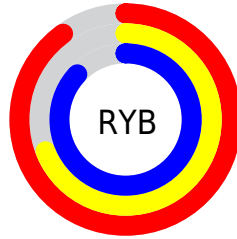
The XYZ color **61.1577, 53.0364, 76.8257** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.3694, 68.6477, 54.6437**, and the grayscale version is **53.1147, 55.8808, 60.8542**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **31.3844, 25.8773, 40.3865** is the 20% darker color. If you saturate the color by 10%, you get **56.6944, 44.6641, 73.6269**, and if you desaturate by 10%, it is **66.3870, 62.9303, 80.3074**.

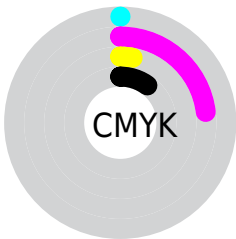
# Distribution



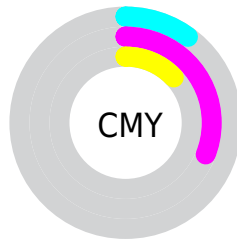
- Red (90%)
- Green (69%)
- Blue (87%)



- Red (90%)
- Yellow (69%)
- Blue (87%)



- Cyan (0%)
- Magenta (23%)
- Yellow (3%)
- Black (10%)




- Cyan (10%)
- Magenta (31%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1577, 53.0364, 76.8257 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 61.1577, 53.0364, 76.8257 by changing the saturation by 10% instead.





 61.1577, 53.0364,  
76.8257

 61.1577, 53.0364,  
76.8257


418.6187,  
398.4248, 503.5914

 44.6055, 37.8318,  
56.5991


 105.6041, 94.6579,  
130.6642

 31.3467, 25.8522,  
40.2763


134.2289,  
121.8437, 165.1132

 21.0161, 16.7131,  
27.4386


167.6087,  
153.7919, 205.1400

 13.2483, 10.0301,  
17.6675

206.1087,  
190.8871, 251.1633

 7.6779, 5.4190,  
10.5446

250.0944,  
233.5136, 303.6015

 3.9396, 2.4951,  
5.6512

299.9310,

 1.6680, 0.8742,

282.0557, 362.8733

2.5688

355.9840,  
336.8980, 429.3971

■ 0.4361, 0.0000,  
0.8763

■ 0.0000, 0.0000,  
0.0000

■ 61.1577, 53.0364,  
76.8257

■ 61.1577, 53.0364,  
76.8257

■ 56.6944, 44.6641,  
73.6269

■ 66.3870, 62.9303,  
80.3074

■ 52.9542, 37.7304,  
70.6949

■ 72.4127, 74.4093,  
84.0806

■ 49.8974, 32.1551,  
68.0168

■ 79.2696, 87.5421,  
88.1574

■ 47.4787, 27.8472,  
65.5775

■ 82.8347, 94.0827,  
91.1637

45.6468, 24.7048,  
63.3597

83.2087, 94.2323,  
93.1333

44.3430, 22.6102,  
61.3438

83.5882, 94.3841,  
95.1316

43.4960, 21.4207,  
59.5059

83.9732, 94.5381,  
97.1588

43.1018, 20.9735,  
58.3225

84.3637, 94.6943,  
99.2151

84.7597, 94.8527,  
101.3005

# Harmonies

## Analogous

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



56.3228, 53.0364, 92.4027



61.1577, 53.0364, 76.8257



63.0783, 53.0364, 58.3159

# Triad

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



61.1577, 53.0364, 76.8257



50.6076, 53.0364, 30.2382



40.8286, 53.0364, 75.6450

# Complementary

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



61.1577, 53.0364, 76.8257



54.3694, 68.6477, 54.6437

# 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.



39.5618, 53.0364, 57.1830



61.1577, 53.0364, 76.8257



44.9253, 53.0364, 33.0630

# Square

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



61.1577, 53.0364, 76.8257



56.6925, 53.0364, 33.4551



41.0007, 53.0364, 42.1224



44.6088, 53.0364, 91.6299



# Rectangle

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



61.1577, 53.0364, 76.8257



62.3380, 53.0364, 47.4646



41.0007, 53.0364, 42.1224



40.1089, 53.0364, 69.4179

# Sweetspot

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



61.1593, 53.0387, 76.8268



89.2939, 89.0058, 105.3845



48.7970, 46.5706, 80.5468



19.0116, 18.8584, 22.4937



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.



61.1593, 53.0387, 76.8268



75.0731, 62.0852, 95.9546



57.9413, 51.7515, 59.8810



14.9211, 14.5856, 17.7851



24.6716, 12.0029, 33.4953



1.8433, 0.8950, 2.5811



# Inverse Universe

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



61.1593, 53.0387, 76.8268



75.0731, 62.0852, 95.9546



57.2863, 69.8144, 70.0037



14.9211, 14.5856, 17.7851



24.6716, 12.0029, 33.4953



1.8433, 0.8950, 2.5811



# Previews

## White Background



This preview shows how the XYZ color 61.1577, 53.0364, 76.8257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

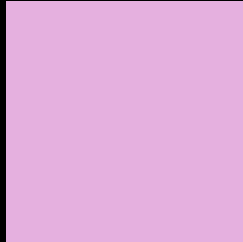
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1577, 53.0364, 76.8257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

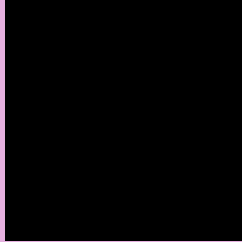
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.1577, 53.0364, 76.8257**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.1577, 53.0364, 76.8257.



This preview shows how white text looks on a background with the XYZ color 61.1577, 53.0364,



# 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

61.1577, 53.0364, 76.8257

### Protanopia

53.1059, 53.3351, 84.5865

### Deuteranopia

54.3231, 53.1927, 75.8107



## Tritanopia

57.4255, 52.9954, 58.8322

# Trichromacy



## Original Color

61.1577, 53.0364, 76.8257



## Protanomaly

55.5212, 53.0543, 81.4430



## Deuteranomaly

56.6198, 53.1102, 76.3744



## Tritanomaly

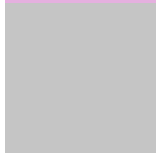
58.5036, 52.8167, 64.8688

# Monochromacy



## Original Color

61.1577, 53.0364, 76.8257



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

55.6327, 54.4067, 65.9619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1577, 53.0364, 76.8257 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(229, 176, 223)` looks like.

```
.text, #text, p{  
    color:rgb(229, 176, 223)  
}
```

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(229, 176, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 176, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1577, 53.0364, 76.8257 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(229, 176, 223) }
```



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

```
.border{ border-color:rgb(229, 176, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 176, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 176, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 176, 223);  
box-shadow:4px 4px 4px 4px rgb(229, 176,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1577, 53.0364, 76.8257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 176, 223) }
```

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

```
.background{ background-color: rgb(229,  
176, 223) }
```

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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