

# Converting Colors

XYZ(62.7791, 54.0368, 82.7226)

Have a look what the booklet for  
XYZ(62.7791, 54.0368, 82.7226)  
contains.

<b>XYZ(62.7791, 54.0368, 82.7226)</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(62.7791, 54.0368,  
82.7226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6B1E7
RGB	230, 177, 231
RGB Percent	90%, 69%, 91%
CMY	0.0980, 0.3059, 0.0941
CMYK	0.00, 0.23, 0.00, 0.09
HSL	299°, 53%, 80%
HSV	299°, 23%, 91%
XYZ	62.7791, 54.0368, 82.7226
YIQ	199.0030, 14.2540, 28.0300

# Conversions

## Conversions Part 2

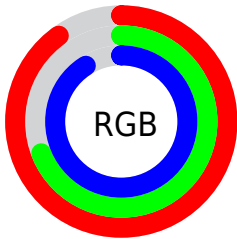
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 177, 231
Decimal	15118823
CIE <sub>Lab</sub>	78.48, 28.19, -19.59
CIE <sub>LCh</sub>	78, 34.327, 325.195
Yxy	54.0368, 0.3146, 0.2708
Android (android.graphics.Color)	4293308903 (0xFFE6B1E7)
YUV	199.0030, 15.7745, 27.1844
Hunter-Lab	73.5097, 23.8013, -15.2639

# Details

The XYZ color **62.7791, 54.0368, 82.7226** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.8736, 69.7924, 52.1768**, and the grayscale version is **54.1898, 57.0119, 62.0860**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **32.4011, 26.5091, 43.9665** is the 20% darker color. If you saturate the color by 10%, you get **58.4605, 45.6021, 81.3229**, and if you desaturate by 10%, it is **67.8737, 64.0210, 84.3820**.

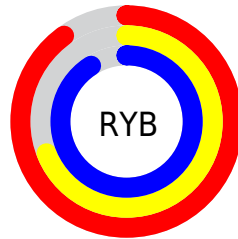
# Distribution



Red (90%)

Green (69%)

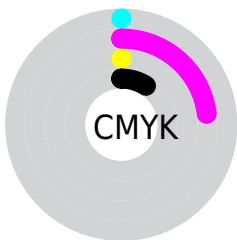
Blue (91%)



Red (90%)

Yellow (69%)

Blue (91%)

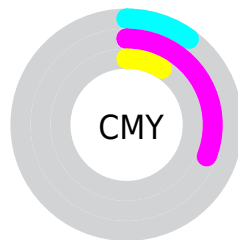


Cyan (0%)

Magenta (23%)

Yellow (0%)

Black (9%)



Cyan (10%)

Magenta (31%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7791, 54.0368, 82.7226 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 62.7791, 54.0368, 82.7226 by changing the saturation by 10% instead.




 62.7791, 54.0368,  
82.7226

 62.7791, 54.0368,  
82.7226


424.4398,  
402.2503, 524.0083

 45.9205, 38.6311,  
61.4221


 107.9344, 96.1283,  
139.0326

 32.3875, 26.4729,  
44.1331


136.9617,  
123.5828, 174.8792

 21.8146, 17.1777,  
30.4372


170.7761,  
155.8224, 216.4115

 13.8366, 10.3613,  
19.9158

209.7427,  
193.2315, 264.0481

 8.0880, 5.6392,  
12.1504

254.2271,  
236.1944, 318.2076

 4.2036, 2.6269,  
6.7224

304.5945,

 1.8180, 0.9402,

285.0956, 379.3084

3.2133

361.2102,  
340.3195, 447.7691

■ 0.5285, 0.0000,  
1.2046

■ 0.0000, 0.0000,  
0.0000

■ 62.7791, 54.0368,  
82.7226

■ 62.7791, 54.0368,  
82.7226

■ 58.4605, 45.6021,  
81.3229

■ 67.8737, 64.0210,  
84.3820

■ 54.8740, 38.6320,  
80.1666

■ 73.7753, 75.6198,  
86.3098

■ 51.9790, 33.0444,  
79.2407

■ 80.5195, 88.9033,  
88.5183

■ 49.7289, 28.7462,  
78.5296

■ 83.3692, 94.3972,  
89.4285

48.0715, 25.6329,  
78.0161

83.5079, 94.4687,  
89.4350

46.9465, 23.5838,  
77.6798

83.6470, 94.5404,  
89.4415

46.2805, 22.4522,  
77.4965

83.7864, 94.6123,  
89.4480

46.0160, 22.0559,  
77.4340

83.9262, 94.6843,  
89.4546

84.0662, 94.7565,  
89.4611

# Harmonies

## Analogous

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



57.0897, 54.0368, 99.3176



62.7791, 54.0368, 82.7226



65.4192, 54.0368, 62.0078

# Triad

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



62.7791, 54.0368, 82.7226



52.4559, 54.0368, 29.0113



40.4823, 54.0368, 76.1332

# Complementary

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



62.7791, 54.0368, 82.7226



54.8736, 69.7924, 52.1768

# 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.



39.4754, 54.0368, 55.7759



62.7791, 54.0368, 82.7226



46.0278, 54.0368, 31.1906

# Square

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



62.7791, 54.0368, 82.7226



59.1356, 54.0368, 33.2762



41.4176, 54.0368, 40.0581



44.2984, 54.0368, 94.9657



# Rectangle

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



62.7791, 54.0368, 82.7226



64.9405, 54.0368, 49.6167



41.4176, 54.0368, 40.0581



39.8191, 54.0368, 69.1339

# Sweetspot

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



62.7808, 54.0392, 82.7238



89.4962, 89.0727, 107.0835



48.6376, 47.2794, 82.1644



19.0586, 18.8739, 22.8885



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.



62.7808, 54.0392, 82.7238



75.8630, 62.3453, 102.6432



59.7951, 52.8821, 65.3228



14.9674, 14.6009, 18.1737



25.8095, 12.3712, 43.4107



1.9157, 0.9186, 3.2083



# Inverse Universe

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



56.7148, 51.6499, 49.1021



67.0462, 58.8745, 53.6857



57.3936, 70.7740, 66.6391



14.3878, 14.3723, 14.9764



18.4931, 9.5315, 0.9599

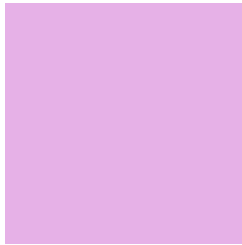


1.3704, 0.7059, 0.0911



# Previews

## White Background



This preview shows how the XYZ color 62.7791, 54.0368, 82.7226 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

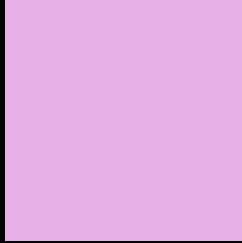
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7791, 54.0368, 82.7226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

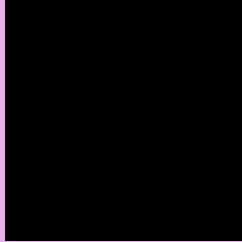
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.7791, 54.0368, 82.7226**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7791, 54.0368, 82.7226.



This preview shows how white text looks on a background with the XYZ color 62.7791, 54.0368,



# 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

62.7791, 54.0368, 82.7226

### Protanopia

54.6254, 54.6180, 91.6677

### Deuteranopia

55.5823, 54.3544, 81.6907



## Tritanopia

58.0629, 53.9057, 60.1679

# Trichromacy



## Original Color

62.7791, 54.0368, 82.7226



## Protanomaly

57.0224, 53.9931, 88.3052



## Deuteranomaly

57.9264, 53.9664, 82.2264



## Tritanomaly

59.7111, 53.9821, 67.5941

# Monochromacy



## Original Color

62.7791, 54.0368, 82.7226



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

56.9670, 55.6664, 69.3702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7791, 54.0368, 82.7226 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(230, 177, 231)` looks like.

```
.text, #text, p{  
    color:rgb(230, 177, 231)  
}
```

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(230, 177, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 177, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7791, 54.0368, 82.7226 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(230, 177, 231) }
```



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

```
.border{ border-color:rgb(230, 177, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 177, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 177, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 177, 231);  
box-shadow:4px 4px 4px 4px rgb(230, 177,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7791, 54.0368, 82.7226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 177, 231) }
```

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

```
.background{ background-color: rgb(230,  
177, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor