

# Converting Colors

XYZ(62.5490, 51.0560, 89.4225)

Have a look what the booklet for  
XYZ(62.5490, 51.0560, 89.4225)  
contains.

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# Color

**XYZ(62.6509, 50.9772,  
89.7566)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7A7F1
RGB	231, 167, 241
RGB Percent	91%, 65%, 95%
CMY	0.0941, 0.3451, 0.0549
CMYK	0.04, 0.31, 0.00, 0.05
HSL	292°, 73%, 80%
HSV	292°, 31%, 95%
XYZ	62.6509, 50.9772, 89.7566
YIQ	194.5720, 14.3900, 36.5820

# Conversions

## Conversions Part 2

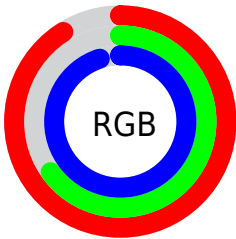
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 167, 241
Decimal	15181809
CIE Lab	76.67, 35.73, -27.76
CIE LCh	77, 45.243, 322.151
Yxy	50.9772, 0.3080, 0.2506
Android (android.graphics.Color)	4293371889 (0xFFE7A7F1)
YUV	194.5720, 22.8890, 31.9474
Hunter-Lab	71.3983, 31.6839, -24.5561

# Details

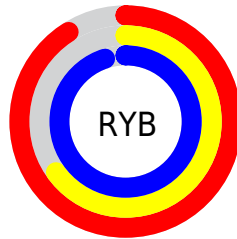
The XYZ color **62.6509, 50.9772, 89.7566** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.5635, 75.0490, 48.0663**, and the grayscale version is **51.4810, 54.1620, 58.9825**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **32.2298, 24.5361, 48.9362** is the 20% darker color. If you saturate the color by 10%, you get **57.5996, 42.4196, 88.3718**, and if you desaturate by 10%, it is **68.5477, 61.1946, 91.4187**.

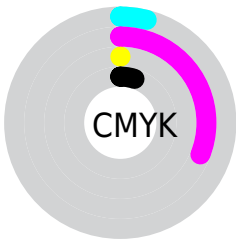
# Distribution



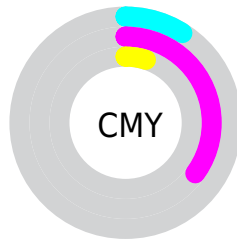
- Red (91%)
- Green (65%)
- Blue (95%)



- Red (91%)
- Yellow (65%)
- Blue (95%)



- Cyan (4%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)




- Cyan (9%)
- Magenta (35%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6509, 50.9772, 89.7566 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 62.6509, 50.9772, 89.7566 by changing the saturation by 10% instead.




 62.6509, 50.9772,  
89.7566


 62.6509, 50.9772,  
89.7566


423.9812,  
390.4752, 547.7884

 45.8164, 36.1905,  
67.2062

 107.7504, 91.6211,  
148.9328

 32.3050, 24.5813,  
48.7896


 136.7461,  
118.2470, 186.3957

 21.7512, 15.7654,  
34.0882


170.5262,  
149.5881, 229.6666

 13.7898, 9.3583,  
22.6834

209.4562,  
186.0288, 279.1638

 8.0553, 4.9756,  
14.1568

253.9013,  
227.9534, 335.3061

 4.1825, 2.2330,  
8.0898

304.2270,

 1.8059, 0.7379,

275.7465, 398.5120

4.0639

360.7985,  
329.7923, 469.1999

■ 0.5212, 0.0000,  
1.6605

■ 0.0000, 0.0000,  
0.3334

■ 62.6509, 50.9772,  
89.7566

■ 62.6509, 50.9772,  
89.7566

■ 57.5996, 42.4196,  
88.3718

■ 68.5477, 61.1946,  
91.4187

■ 53.3430, 35.4236,  
87.2458

■ 75.3274, 73.1497,  
93.3690

■ 49.8324, 29.8908,  
86.3629

■ 83.0310, 86.9235,  
95.6215

■ 47.0115, 25.7089,  
85.7044

■ 88.9554, 97.1091,  
97.2753

■ 44.8159, 22.7491,  
85.2488

■ 90.0957, 97.6970,  
97.3287

■ 43.1685, 20.8575,  
84.9705

■ 91.2561, 98.2952,  
97.3830

■ 42.0121, 19.8239,  
84.8319

■ 92.4366, 98.9038,  
97.4382

■ 92.8773, 99.1309,  
97.4589

# Harmonies

## Analogous

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



54.9292, 50.9772, 111.6351



62.6509, 50.9772, 89.7566



66.6615, 50.9772, 62.1972

# Triad

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



62.6509, 50.9772, 89.7566



50.7357, 50.9772, 20.6720



34.7466, 50.9772, 75.2507

# Complementary

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



62.6509, 50.9772, 89.7566



56.5635, 75.0490, 48.0663

# 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.



33.9035, 50.9772, 49.3119



62.6509, 50.9772, 89.7566



42.5056, 50.9772, 22.2851

# Square

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



62.6509, 50.9772, 89.7566



59.2732, 50.9772, 25.9766



36.5794, 50.9772, 31.3087



39.0357, 50.9772, 101.6860



# Rectangle

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



62.6509, 50.9772, 89.7566



66.3963, 50.9772, 46.1600



36.5794, 50.9772, 31.3087



34.0730, 50.9772, 66.0342

# Sweetspot

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



62.6525, 50.9794, 89.7577



87.0289, 85.6379, 106.5506



47.7559, 46.4493, 89.6684



18.3677, 17.8675, 22.7306



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.



62.6525, 50.9794, 89.7577



67.4378, 51.5092, 100.9956



62.3745, 51.2517, 70.9640



16.2320, 15.9168, 19.9383



22.8663, 10.7934, 46.0060



1.9598, 0.9276, 3.8300



# Inverse Universe

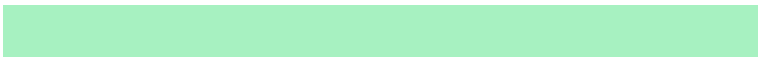
The Inverse Universe completely reimagines the original color for something new.



58.0318, 49.5147, 48.0958



61.5053, 49.6602, 46.0819



57.0079, 74.9731, 61.8623



15.8598, 15.7936, 16.8177



19.8449, 10.2104, 1.8338



1.6780, 0.8603, 0.2953



# Previews

## White Background



This preview shows how the XYZ color 62.6509, 50.9772, 89.7566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

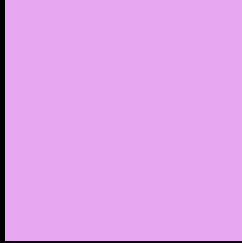
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.6509, 50.9772, 89.7566 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 62.6509, 50.9772, 89.7566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.6509, 50.9772, 89.7566.



This preview shows how white text looks on a background with the XYZ color 62.6509, 50.9772,

89.7566.

# 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

62.6509, 50.9772, 89.7566

### Protanopia

52.3979, 51.3067, 101.7493

### Deuteranopia

52.3734, 51.2995, 87.2622



## Tritanopia

55.8666, 51.0532, 56.2000

# Trichromacy



## Original Color

62.6509, 50.9772, 89.7566



## Protanomaly

55.3148, 50.7511, 97.3230



## Deuteranomaly

55.3721, 50.6926, 87.7551



## Tritanomaly

58.1307, 50.8215, 67.0673

# Monochromacy



## Original Color

62.6509, 50.9772, 89.7566



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

55.2451, 52.8613, 69.5789

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.6509, 50.9772, 89.7566 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(231, 167, 241)` looks like.

```
.text, #text, p{  
    color:rgb(231, 167, 241)  
}
```

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(231, 167, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 167, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 62.6509, 50.9772, 89.7566 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(231, 167, 241) }
```



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

```
.border{ border-color:rgb(231, 167, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 167, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 167, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 167, 241);  
box-shadow:4px 4px 4px 4px rgb(231, 167,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.6509, 50.9772, 89.7566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 167, 241) }
```

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

```
.background{ background-color: rgb(231,  
167, 241) }
```

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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