

Converting Colors

XYZ(62.7503, 50.6398, 90.0041)

Have a look what the booklet for
XYZ(62.7503, 50.6398, 90.0041)
contains.

XYZ(62.7921, 50.7791, 89.7109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.7921, 50.7791,
89.7109)**

Conversions

Conversions Part 1

Format	Color
Hex	E8A6F1
RGB	232, 166, 241
RGB Percent	91%, 65%, 95%
CMY	0.0902, 0.3490, 0.0549
CMYK	0.04, 0.31, 0.00, 0.05
HSL	293°, 73%, 80%
HSV	293°, 31%, 95%
XYZ	62.7921, 50.7791, 89.7109
YIQ	194.2840, 15.2610, 37.3170

Conversions

Conversions Part 2

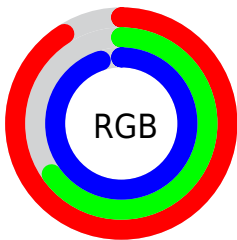
Format	Color
R _Y B	232, 166, 241
Decimal	15247089
CIE Lab	76.55, 36.57, -27.94
CIE LCh	77, 46.019, 322.624
Yxy	50.7791, 0.3089, 0.2498
Android (android.graphics.Color)	4293437169 (0xFFE8A6F1)
YUV	194.2840, 23.0310, 33.0769
Hunter-Lab	71.2595, 32.5858, -24.7605

Details

The XYZ color **62.7921, 50.7791, 89.7109** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.0191, 74.7790, 47.5601**, and the grayscale version is **51.3092, 53.9813, 58.7857**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **32.3413, 24.4270, 48.9093** is the 20% darker color. If you saturate the color by 10%, you get **57.8843, 42.3447, 88.3423**, and if you desaturate by 10%, it is **68.5394, 60.8675, 91.3560**.

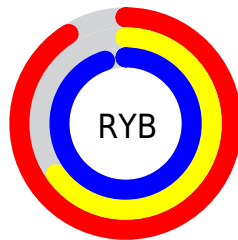
Distribution



Red (91%)

Green (65%)

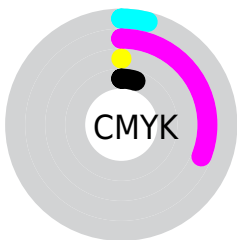
Blue (95%)



Red (91%)

Yellow (65%)

Blue (95%)

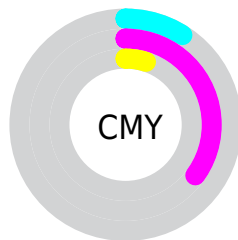


Cyan (4%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (9%)


Magenta (35%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.7921, 50.7791, 89.7109 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 62.7921, 50.7791, 89.7109 by changing the saturation by 10% instead.


 62.7921, 50.7791,
89.7109


 62.7921, 50.7791,
89.7109


424.4862,
389.7049, 547.6358

 45.9311, 36.0328,
67.1685

 107.9530, 91.3282,
148.8688

 32.3958, 24.4596,
48.7591


 136.9836,
117.8998, 186.3213

 21.8210, 15.6749,
34.0642

170.8014,
149.1819, 229.5811

 13.8413, 9.2944,
22.6652

209.7718,
185.5590, 279.0665

 8.0913, 4.9337,
14.1435

254.2601,
227.4155, 335.1961

 4.2057, 2.2084,
8.0806

304.6317,

 1.8192, 0.7246,

275.1357, 398.3885

4.0581

361.2520,
329.1040, 469.0622

■ 0.5292, 0.0000,
1.6573

■ 0.0000, 0.0000,
0.3312

■ 62.7921, 50.7791,
89.7109

■ 62.7921, 50.7791,
89.7109

■ 57.8843, 42.3447,
88.3423

■ 68.5394, 60.8675,
91.3560

■ 53.7652, 35.4659,
87.2317

■ 75.1638, 72.6881,
93.2885

■ 50.3858, 30.0437,
86.3632

■ 82.7065, 86.3220,
95.5225

■ 47.6896, 25.9654,
85.7181

■ 88.7963, 97.0271,
97.2678

■ 45.6118, 23.1014,
85.2748

■ 89.8054, 97.5473,
97.3151

■ 44.0747, 21.2964,
85.0074

■ 90.8303, 98.0756,
97.3630

■ 43.0523, 20.3601,
84.8806

■ 91.8710, 98.6122,
97.4117

■ 92.8773, 99.1309,
97.4588

Harmonies

Analogous

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



54.9790, 50.7791, 112.2457



62.7921, 50.7791, 89.7109



66.7971, 50.7791, 61.6616

Triad

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



62.7921, 50.7791, 89.7109



50.4404, 50.7791, 20.1232



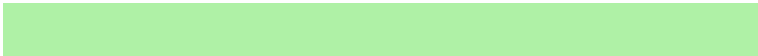
34.4291, 50.7791, 75.8095

Complementary

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



62.7921, 50.7791, 89.7109



56.0191, 74.7790, 47.5601

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.



33.5214, 50.7791, 49.3728



62.7921, 50.7791, 89.7109



42.1193, 50.7791, 21.8448

Square

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



62.7921, 50.7791, 89.7109



59.1307, 50.7791, 25.3213



36.1697, 50.7791, 31.0373



38.8176, 50.7791, 102.6840

Rectangle

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



62.7921, 50.7791, 89.7109



66.4679, 50.7791, 45.4799



36.1697, 50.7791, 31.0373



33.7301, 50.7791, 66.4178

Sweetspot

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



62.7937, 50.7813, 89.7120



87.1548, 85.7028, 106.5565



47.1305, 45.5109, 89.5203



18.3989, 17.8836, 22.7321



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.



62.7937, 50.7813, 89.7120



67.9305, 51.7632, 101.0187



61.9872, 50.8049, 69.8249



16.2567, 15.9295, 19.9395



23.4227, 11.0802, 46.0321



2.0007, 0.9487, 3.8319

Inverse Universe

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



57.6514, 49.0705, 46.9926



61.3675, 49.6050, 45.3557



56.8644, 74.8914, 62.2055



15.8499, 15.7897, 16.7660



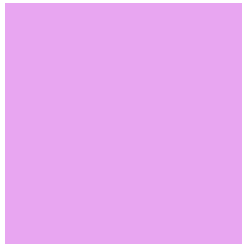
19.8166, 10.1991, 1.6848



1.6734, 0.8584, 0.2708

Previews

White Background



This preview shows how the XYZ color 62.7921, 50.7791, 89.7109 looks on a white background.

Color Contrast Check

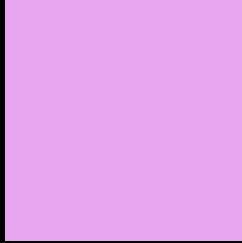
Large Text (above 18pt) WCAG AA × Fail

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 62.7921, 50.7791, 89.7109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

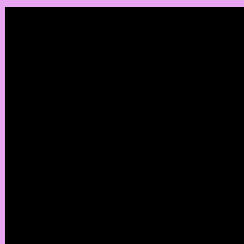
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.7921, 50.7791, 89.7109

Background



This preview shows how black text looks on a background with the XYZ color 62.7921, 50.7791, 89.7109.



This preview shows how white text looks on a background with the XYZ color 62.7921, 50.7791,

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

62.7921, 50.7791, 89.7109

Protanopia

52.3979, 51.3067, 101.7493

Deuteranopia

52.1635, 50.8796, 87.1922



Tritanopia

55.8709, 50.7759, 55.5712

Trichromacy



Original Color

62.7921, 50.7791, 89.7109



Protanomaly

55.3677, 50.4798, 97.2679



Deuteranomaly

55.4404, 50.4313, 87.7011



Tritanomaly

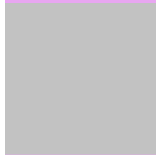
58.2561, 50.6025, 67.0184

Monochromacy



Original Color

62.7921, 50.7791, 89.7109



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

54.9108, 52.3940, 68.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7921, 50.7791, 89.7109 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(232, 166, 241)` looks like.

```
.text, #text, p{  
    color:rgb(232, 166, 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(232, 166, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 166, 241) }
```

Border

The CSS property to change the border of an element to XYZ 62.7921, 50.7791, 89.7109 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(232, 166, 241) }
```


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

```
.border{ border-color:rgb(232, 166, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 166, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 166, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 166, 241);  
box-shadow:4px 4px 4px 4px rgb(232, 166,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7921, 50.7791, 89.7109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 166, 241) }
```

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

```
.background{ background-color: rgb(232,  
166, 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](#).

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