

Converting Colors

XYZ(64.2838, 52.9471, 89.0396)

Have a look what the booklet for
XYZ(64.2838, 52.9471, 89.0396)
contains.

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Color

**XYZ(64.2228, 52.9095,
89.2657)**

Conversions

Conversions Part 1

Format	Color
Hex	EAABF0
RGB	234, 171, 240
RGB Percent	92%, 67%, 94%
CMY	0.0823, 0.3294, 0.0588
CMYK	0.02, 0.29, 0.00, 0.06
HSL	295°, 70%, 81%
HSV	295°, 29%, 94%
XYZ	64.2228, 52.9095, 89.2657
YIQ	197.7030, 15.3990, 34.8150

Conversions

Conversions Part 2

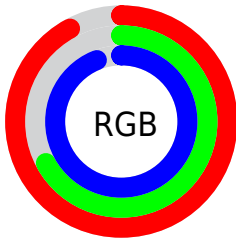
Format	Color
RYB	234, 171, 240
Decimal	15379440
CIELab	77.82, 34.35, -25.42
CIELCh	78, 42.735, 323.493
Yxy	52.9095, 0.3112, 0.2563
Android (android.graphics.Color)	4293569520 (0xFFEAABF0)
YUV	197.7030, 20.8524, 31.8325
Hunter-Lab	72.7389, 30.3085, -21.8439

Details

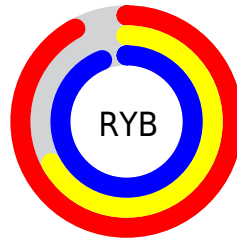
The XYZ color **64.2228, 52.9095, 89.2657** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.6440, 74.6088, 49.9461**, and the grayscale version is **53.3687, 56.1480, 61.1452**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **33.2616, 25.7647, 48.5674** is the 20% darker color. If you saturate the color by 10%, you get **59.4140, 44.3019, 87.8585**, and if you desaturate by 10%, it is **69.8661, 63.1719, 90.9499**.

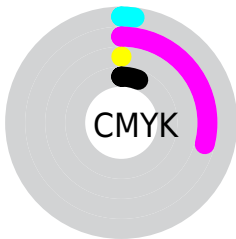
Distribution



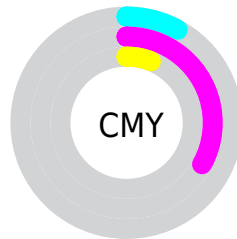
- Red (92%)
- Green (67%)
- Blue (94%)



- Red (92%)
- Yellow (67%)
- Blue (94%)



- Cyan (2%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)





- Cyan (8%)
- Magenta (33%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2228, 52.9095, 89.2657 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 64.2228, 52.9095, 89.2657 by changing the saturation by 10% instead.


 64.2228, 52.9095,
89.2657

 64.2228, 52.9095,
89.2657


429.5832,
397.9378, 546.1476

 47.0935, 37.7305,
66.8015

 110.0037, 94.4712,
148.2446

 33.3178, 25.7736,
48.4627

139.3860,
121.6227, 185.5964

 22.5304, 16.6544,
33.8309


173.5833,
153.5338, 228.7477

 14.3660, 9.9884,
22.4874

212.9611,
190.5890, 278.1173

 8.4590, 5.3912,
14.0137

257.8846,
233.1726, 334.1235

 4.4443, 2.4786,
7.9914

308.7192,

 1.9564, 0.8659,

281.6690, 397.1849

4.0017

365.8303,
336.4626, 467.7201

■ 0.6093, 0.0000,
1.6263

■ 0.0000, 0.0000,
0.3095

■ 64.2228, 52.9095,
89.2657

■ 64.2228, 52.9095,
89.2657

■ 59.4140, 44.3019,
87.8585

■ 69.8661, 63.1719,
90.9499

■ 55.3899, 37.2530,
86.7100

■ 76.3800, 75.1646,
92.9214

■ 52.1036, 31.6676,
85.8051

■ 83.8048, 88.9669,
95.1942

■ 49.5006, 27.4371,
85.1258

■ 88.2262, 96.7504,
96.4635

47.5191, 24.4377,
84.6513

88.9480, 97.1225,
96.4973

46.0859, 22.5232,
84.3573

89.6779, 97.4988,
96.5315

45.0931, 21.4779,
84.2078

90.4161, 97.8794,
96.5660

44.9818, 21.3721,
84.1933

91.1626, 98.2642,
96.6009

91.9173, 98.6533,
96.6363

Harmonies

Analogous

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



56.9158, 52.9095, 110.4486



64.2228, 52.9095, 89.2657



67.8503, 52.9095, 62.9400

Triad

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



64.2228, 52.9095, 89.2657



52.1173, 52.9095, 23.1103



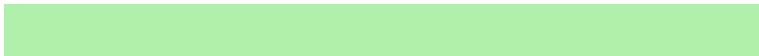
37.0389, 52.9095, 77.7952

Complementary

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



64.2228, 52.9095, 89.2657



56.6440, 74.6088, 49.9461

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.



36.0537, 52.9095, 52.5887



64.2228, 52.9095, 89.2657



44.1974, 52.9095, 25.0615

Square

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



64.2228, 52.9095, 89.2657



60.3823, 52.9095, 28.1510



38.5319, 52.9095, 34.4917



41.3880, 52.9095, 102.6545

Rectangle

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



64.2228, 52.9095, 89.2657



67.4392, 52.9095, 47.5990



38.5319, 52.9095, 34.4917



36.3246, 52.9095, 68.9333

Sweetspot

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



64.2245, 52.9118, 89.2668



87.4303, 85.8449, 106.5694



48.4254, 46.7527, 88.9107



18.4673, 17.9189, 22.7353



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.



64.2245, 52.9118, 89.2668



70.6288, 55.1943, 101.5388



62.4339, 52.4270, 69.3828



16.3108, 15.9575, 19.9420



24.6809, 11.7289, 46.0909



2.0927, 0.9961, 3.8362

Inverse Universe

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



58.4356, 50.8277, 48.3280



63.1186, 52.5044, 47.7982



58.2189, 75.0844, 65.2160



15.8286, 15.7811, 16.6536



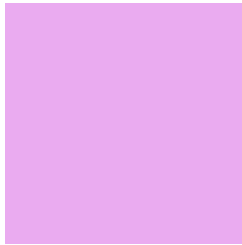
19.7647, 10.1783, 1.4117



1.6632, 0.8543, 0.2173

Previews

White Background



This preview shows how the XYZ color 64.2228, 52.9095, 89.2657 looks on a white background.

Color Contrast Check

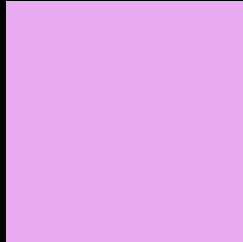
Large Text (above 18pt) WCAG AA × Fail

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 64.2228, 52.9095, 89.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

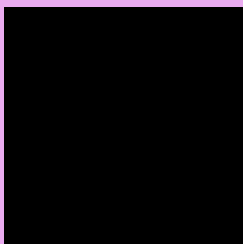
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2228, 52.9095, 89.2657

Background



This preview shows how black text looks on a background with the XYZ color 64.2228, 52.9095, 89.2657.



This preview shows how white text looks on a background with the XYZ color 64.2228, 52.9095,

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

64.2228, 52.9095, 89.2657

Protanopia

53.9820, 53.0966, 101.1694

Deuteranopia

54.4699, 53.3284, 87.5433



Tritanopia

58.0538, 53.0315, 58.2153

Trichromacy



Original Color

64.2228, 52.9095, 89.2657



Protanomaly

56.7973, 52.4423, 96.7514



Deuteranomaly

57.3374, 52.6081, 88.0213



Tritanomaly

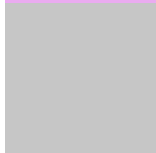
60.1131, 52.9704, 68.6840

Monochromacy



Original Color

64.2228, 52.9095, 89.2657



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

56.8574, 54.6194, 70.4967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2228, 52.9095, 89.2657 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, 171, 240)` looks like.

```
.text, #text, p{  
    color:rgb(234, 171, 240)  
}
```

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, 171, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 171, 240) }
```

Border

The CSS property to change the border of an element to XYZ 64.2228, 52.9095, 89.2657 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, 171, 240) }
```


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

```
.border{ border-color:rgb(234, 171, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 171, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 171, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 171, 240);  
box-shadow:4px 4px 4px 4px rgb(234, 171,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2228, 52.9095, 89.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 171, 240) }
```

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

```
.background{ background-color: rgb(234,  
171, 240) }
```

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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