

Converting Colors

XYZ(68.9965, 61.9703, 88.9319)

Have a look what the booklet for
XYZ(68.9965, 61.9703, 88.9319)
contains.

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Color

**XYZ(69.0947, 62.1458,
89.2426)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC1EE
RGB	236, 193, 238
RGB Percent	93%, 76%, 93%
CMY	0.0745, 0.2431, 0.0667
CMYK	0.01, 0.19, 0.00, 0.07
HSL	297°, 57%, 85%
HSV	297°, 19%, 93%
XYZ	69.0947, 62.1458, 89.2426
YIQ	210.9870, 11.1830, 23.1110

Conversions

Conversions Part 2

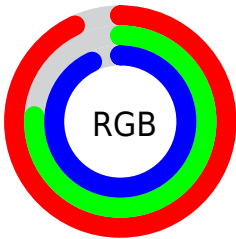
Format	Color
R _Y B	236, 193, 238
Decimal	15516142
CIE Lab	82.99, 22.89, -16.50
CIE LCh	83, 28.217, 324.227
Yxy	62.1458, 0.3134, 0.2819
Android (android.graphics.Color)	4293706222 (0xFFECC1EE)
YUV	210.9870, 13.3174, 21.9364
Hunter-Lab	78.8326, 18.4935, -11.9365

Details

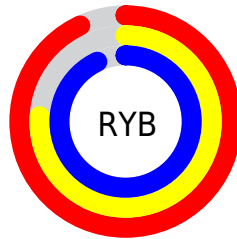
The XYZ color **69.0947, 62.1458, 89.2426** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **62.7079, 76.6030, 61.9359**, and the grayscale version is **61.8195, 65.0390, 70.8274**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **36.4985, 31.5459, 48.4213** is the 20% darker color. If you saturate the color by 10%, you get **63.9015, 52.2781, 87.6126**, and if you desaturate by 10%, it is **75.1404, 73.7132, 91.1576**.

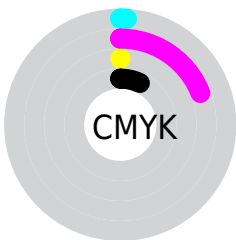
Distribution



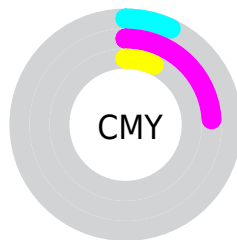
- Red (93%)
- Green (76%)
- Blue (93%)



- Red (93%)
- Yellow (76%)
- Blue (93%)



- Cyan (1%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.0947, 62.1458, 89.2426 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 69.0947, 62.1458, 89.2426 by changing the saturation by 10% instead.


 69.0947, 62.1458,
89.2426

 69.0947, 62.1458,
89.2426

446.6811,
432.4627, 546.0704

 51.0658, 45.1505,
66.7825


 116.9502,
107.9362, 148.2122

 36.4822, 31.5760,
48.4474


147.5074,
137.5002, 185.5587

 24.9787, 21.0379,
33.8188

182.9714,
172.0224, 228.7045

 16.1898, 13.1517,
22.4782

223.7076,
211.8874, 278.0680

 9.7503, 7.5331,
14.0070

270.0813,
257.4796, 334.0678

 5.2947, 3.7977,
7.9867

322.4579,

 2.4577, 1.5610,

309.1832, 397.1224

3.9988

381.2027,
367.3828, 467.6504

■ 0.8740, 0.3311,
1.6247

■ 0.0000, 0.0000,
0.3083

■ 69.0947, 62.1458,
89.2426

■ 69.0947, 62.1458,
89.2426

■ 63.9015, 52.2781,
87.6126

■ 75.1404, 73.7132,
91.1576

■ 59.5147, 44.0211,
86.2500

■ 82.0706, 87.0477,
93.3662

■ 55.8924, 37.2902,
85.1417

■ 86.8483, 96.0742,
94.8566

■ 52.9869, 31.9896,
84.2718

■ 87.2068, 96.2590,
94.8734

50.7447, 28.0127,
83.6223

87.5674, 96.4449,
94.8903

49.1052, 25.2381,
83.1732

87.9300, 96.6318,
94.9073

47.9965, 23.5221,
82.9004

88.2948, 96.8199,
94.9243

47.3107, 22.6487,
82.7680

88.6616, 97.0090,
94.9415

47.2458, 22.5733,
82.7568

89.0306, 97.1992,
94.9588

Harmonies

Analogous

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



64.0081, 62.1458, 103.1178



69.0947, 62.1458, 89.2426



71.5108, 62.1458, 71.0987

Triad

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



69.0947, 62.1458, 89.2426



60.2544, 62.1458, 39.4665



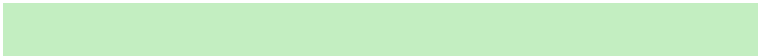
49.0127, 62.1458, 82.3934

Complementary

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



69.0947, 62.1458, 89.2426



62.7079, 76.6030, 61.9359

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.



48.1589, 62.1458, 64.3461



69.0947, 62.1458, 89.2426



54.3883, 62.1458, 41.4432

Square

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



69.0947, 62.1458, 89.2426



66.1864, 62.1458, 43.9259



50.0610, 62.1458, 49.8821



52.4787, 62.1458, 98.7114

Rectangle

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



69.0947, 62.1458, 89.2426



71.1706, 62.1458, 59.7488



50.0610, 62.1458, 49.8821



48.4211, 62.1458, 76.2539

Sweetspot

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



69.0966, 62.1485, 89.2439



90.1122, 90.4950, 107.3256



56.9987, 56.6558, 88.8214



19.1776, 19.1581, 22.9371



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.



69.0966, 62.1485, 89.2439



78.1567, 67.6270, 103.5418



66.9540, 61.3686, 74.4768



16.3808, 15.9935, 19.9453



26.3884, 12.6091, 46.1709



2.2166, 1.0599, 3.8420

Inverse Universe

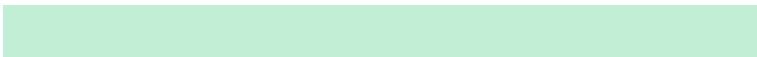
The Inverse Universe completely reimagines the original color for something new.



64.1822, 60.2599, 59.8810



71.3627, 65.0194, 62.7949



64.6110, 77.3049, 74.6355



15.8013, 15.7702, 16.5097



19.7162, 10.1589, 1.1560



1.6501, 0.8491, 0.1485

Previews

White Background



This preview shows how the XYZ color 69.0947, 62.1458, 89.2426 looks on a white background.

Color Contrast Check

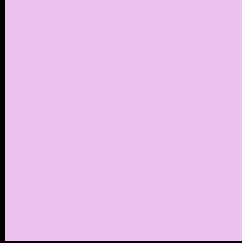
Large Text (above 18pt) WCAG AA × Fail

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 69.0947, 62.1458, 89.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

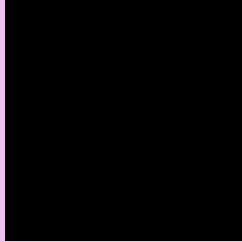
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.0947, 62.1458, 89.2426

Background



This preview shows how black text looks on a background with the XYZ color 69.0947, 62.1458, 89.2426.



This preview shows how white text looks on a background with the XYZ color 69.0947, 62.1458,

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

69.0947, 62.1458, 89.2426

Protanopia

61.7546, 62.3222, 95.9634

Deuteranopia

63.7014, 62.4433, 88.0522



Tritanopia

65.2552, 61.8924, 71.4579

Trichromacy



Original Color

69.0947, 62.1458, 89.2426

Protanomaly

64.2157, 62.2414, 93.4233

Deuteranomaly

65.5283, 62.3334, 88.6986

Tritanomaly

66.5290, 62.0774, 77.5829

Monochromacy



Original Color

69.0947, 62.1458, 89.2426

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

64.1592, 63.6218, 77.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0947, 62.1458, 89.2426 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(236, 193, 238)` looks like.

```
.text, #text, p{  
    color:rgb(236, 193, 238)  
}
```

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(236, 193, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 193, 238) }
```

Border

The CSS property to change the border of an element to XYZ 69.0947, 62.1458, 89.2426 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(236, 193, 238) }
```


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

```
.border{ border-color:rgb(236, 193, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 193, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 193, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 193, 238);  
box-shadow:4px 4px 4px 4px rgb(236, 193,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0947, 62.1458, 89.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 193, 238) }
```

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

```
.background{ background-color: rgb(236,  
193, 238) }
```

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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