

Converting Colors

XYZ(58.3800, 49.6531, 87.4003)

Have a look what the booklet for
XYZ(58.3800, 49.6531, 87.4003)
contains.

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Color

**XYZ(58.4226, 49.6742,
87.3978)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AAEE
RGB	217, 170, 238
RGB Percent	85%, 67%, 93%
CMY	0.1490, 0.3333, 0.0667
CMYK	0.09, 0.29, 0.00, 0.07
HSL	281°, 67%, 80%
HSV	281°, 29%, 93%
XYZ	58.4226, 49.6742, 87.3978
YIQ	191.8050, 6.1840, 31.1120

Conversions

Conversions Part 2

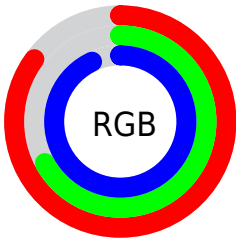
Format	Color
R _Y B	217, 170, 238
Decimal	14265070
CIE _{Lab}	75.87, 29.14, -27.48
CIE _{LCh}	76, 40.050, 316.683
Y _{xy}	49.6742, 0.2988, 0.2541
Android (android.graphics.Color)	4292455150 (0xFFD9AAEE)
YUV	191.8050, 22.7741, 22.0960
Hunter-Lab	70.4799, 24.6233, -24.1859

Details

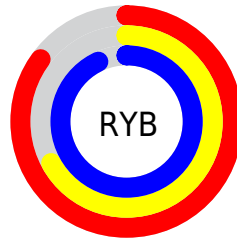
The XYZ color **58.4226, 49.6742, 87.3978** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.3178, 75.1290, 49.4075**, and the grayscale version is **49.8595, 52.4561, 57.1247**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **29.5027, 23.6770, 47.2711** is the 20% darker color. If you saturate the color by 10%, you get **52.2225, 40.4446, 85.9438**, and if you desaturate by 10%, it is **65.5308, 60.5734, 89.1277**.

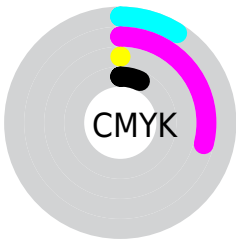
Distribution



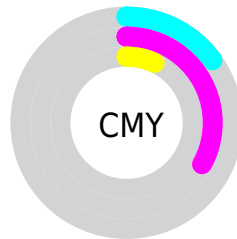
- Red (85%)
- Green (67%)
- Blue (93%)



- Red (85%)
- Yellow (67%)
- Blue (93%)



- Cyan (9%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)





- Cyan (15%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4226, 49.6742, 87.3978 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 58.4226, 49.6742, 87.3978 by changing the saturation by 10% instead.


 58.4226, 49.6742,
87.3978

 58.4226, 49.6742,
87.3978


408.6873,
385.3905, 539.8793

 42.3931, 35.1546,
65.2630

 101.6574, 89.6920,
145.6222

 29.6016, 23.7820,
47.2216

129.5935,
115.9589, 182.5489

 19.6830, 15.1720,
32.8553


162.2290,
146.9105, 225.2433

 12.2717, 8.9402,
21.7454

199.9295,
182.9309, 274.1238

 7.0025, 4.7022,
13.4734

243.0602,
224.4048, 329.6092

 3.5100, 2.0736,
7.6208

291.9865,

 1.4289, 0.6497,

271.7164, 392.1178

3.7690

347.0737,
325.2502, 462.0684

■ 0.2767, 0.0000,
1.4995

■ 0.0000, 0.0000,
0.2176

■ 58.4226, 49.6742,
87.3978

■ 58.4226, 49.6742,
87.3978

■ 52.2225, 40.4446,
85.9438

■ 65.5308, 60.5734,
89.1277

■ 46.8809, 32.7904,
84.7480

■ 73.5839, 73.2172,
91.1437

■ 42.3504, 26.6177,
83.7953

■ 82.6223, 87.6835,
93.4596

■ 38.5766, 21.8196,
83.0681

■ 89.3401, 97.3588,
94.9731

■ 35.4977, 18.2746,
82.5461

■ 91.9753, 98.7173,
95.0964

■ 33.0411, 15.8393,
82.2055

■ 92.4328, 98.9531,
95.1178

■ 31.1017, 14.3056,
82.0117

■ 30.8460, 14.1189,
81.9891

Harmonies

Analogous

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



51.4470, 49.6742, 103.6750



58.4226, 49.6742, 87.3978



62.5714, 49.6742, 64.0980

Triad

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



58.4226, 49.6742, 87.3978



50.5910, 49.6742, 23.1801



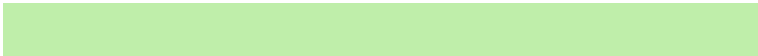
34.7777, 49.6742, 66.7406

Complementary

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



58.4226, 49.6742, 87.3978



59.3178, 75.1290, 49.4075

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.



34.6004, 49.6742, 45.1763



58.4226, 49.6742, 87.3978



43.2195, 49.6742, 23.5365

Square

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



58.4226, 49.6742, 87.3978



57.7394, 49.6742, 29.3910



37.5391, 49.6742, 30.5405



38.0521, 49.6742, 89.7656

Rectangle

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



58.4226, 49.6742, 87.3978



62.9193, 49.6742, 49.4511



37.5391, 49.6742, 30.5405



34.3669, 49.6742, 59.0034

Sweetspot

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



58.4242, 49.6763, 87.3989



85.6010, 84.9018, 106.4838



50.7594, 52.2159, 88.2931



18.0142, 17.6853, 22.7141



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.



58.4242, 49.6763, 87.3989



64.1743, 51.8669, 101.2367



63.2996, 52.3940, 78.3942



15.9516, 15.7723, 19.9252



17.3473, 7.9482, 45.7477



1.5445, 0.7135, 3.8105

Inverse Universe

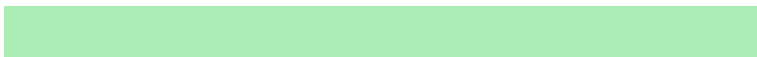
The Inverse Universe completely reimagines the original color for something new.



59.0402, 50.6903, 55.9648



65.1569, 53.3197, 58.5320



55.6456, 73.0931, 55.6870



15.9738, 15.8392, 17.4183



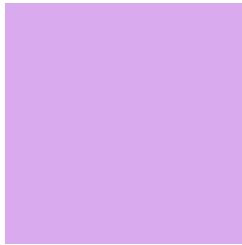
20.4025, 10.4334, 4.7704



1.7402, 0.8851, 0.6229

Previews

White Background



This preview shows how the XYZ color 58.4226, 49.6742, 87.3978 looks on a white background.

Color Contrast Check

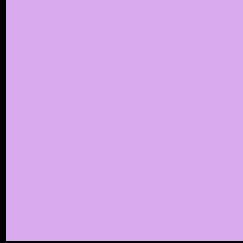
Large Text (above 18pt) WCAG AA × Fail

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 58.4226, 49.6742, 87.3978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

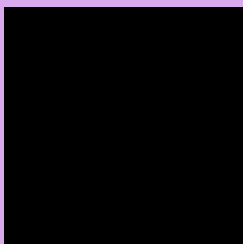
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4226, 49.6742, 87.3978

Background



This preview shows how black text looks on a background with the XYZ color 58.4226, 49.6742, 87.3978.



This preview shows how white text looks on a background with the XYZ color 58.4226, 49.6742,

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

58.4226, 49.6742, 87.3978

Protanopia

50.8100, 49.9725, 96.5902

Deuteranopia

51.1919, 50.1029, 85.5700



Tritanopia

52.3241, 49.7921, 57.3051

Trichromacy



Original Color

58.4226, 49.6742, 87.3978



Protanomaly

53.0524, 49.6742, 93.1781



Deuteranomaly

53.5086, 49.7657, 86.1424



Tritanomaly

54.4745, 49.8003, 67.0629

Monochromacy



Original Color

58.4226, 49.6742, 87.3978



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

52.7365, 51.3019, 67.4444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4226, 49.6742, 87.3978 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(217, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(217, 170, 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(217, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 170, 238) }
```

Border

The CSS property to change the border of an element to XYZ 58.4226, 49.6742, 87.3978 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(217, 170, 238) }
```


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

```
.border{ border-color:rgb(217, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(217, 170,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4226, 49.6742, 87.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 170, 238) }
```

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

```
.background{ background-color: rgb(217,  
170, 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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