

Converting Colors

XYZ(59.6308, 49.6311, 87.6007)

Have a look what the booklet for
XYZ(59.6308, 49.6311, 87.6007)
contains.

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Color

**XYZ(59.5594, 49.7079,
87.3444)**

Conversions

Conversions Part 1

Format	Color
Hex	DEA8EE
RGB	222, 168, 238
RGB Percent	87%, 66%, 93%
CMY	0.1294, 0.3412, 0.0667
CMYK	0.07, 0.29, 0.00, 0.07
HSL	286°, 67%, 80%
HSV	286°, 29%, 93%
XYZ	59.5594, 49.7079, 87.3444
YIQ	192.1260, 9.7140, 33.2180

Conversions

Conversions Part 2

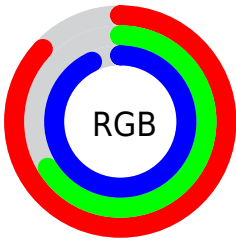
Format	Color
R _Y B	222, 168, 238
Decimal	14592238
CIE Lab	75.89, 31.79, -27.40
CIE LCh	76, 41.970, 319.239
Yxy	49.7079, 0.3029, 0.2528
Android (android.graphics.Color)	4292782318 (0xFFDEA8EE)
YUV	192.1260, 22.6159, 26.1995
Hunter-Lab	70.5038, 27.4094, -24.0994

Details

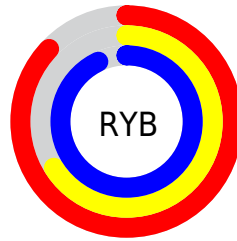
The XYZ color **59.5594, 49.7079, 87.3444** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.4113, 74.1679, 48.3381**, and the grayscale version is **50.0460, 52.6523, 57.3383**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **30.3001, 23.7459, 47.2424** is the 20% darker color. If you saturate the color by 10%, you get **53.9222, 40.8663, 85.9357**, and if you desaturate by 10%, it is **66.0577, 60.1896, 89.0258**.

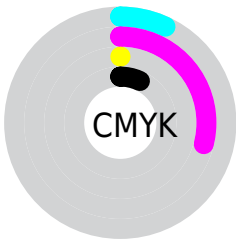
Distribution



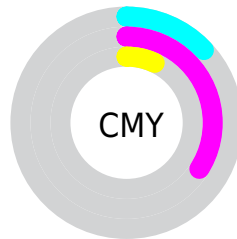
- Red (87%)
- Green (66%)
- Blue (93%)



- Red (87%)
- Yellow (66%)
- Blue (93%)



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





- Cyan (13%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5594, 49.7079, 87.3444 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 59.5594, 49.7079, 87.3444 by changing the saturation by 10% instead.


 59.5594, 49.7079,
87.3444


 59.5594, 49.7079,
87.3444


412.8326,
385.5226, 539.6995

 43.3117, 35.1814,
65.2190

 103.3002, 89.7419,
145.5472

 30.3253, 23.8026,
47.1862


 131.5241,
116.0182, 182.4616

 20.2350, 15.1873,
32.8275


164.4707,
146.9799, 225.1429

 12.6752, 8.9509,
21.7243

202.5054,
183.0113, 274.0094

 7.2807, 4.7092,
13.4581

245.9936,
224.4969, 329.4798

 3.6862, 2.0777,
7.6103

295.3007,

 1.5262, 0.6520,

271.8210, 391.9726

3.7624

350.7919,
325.3681, 461.9063

■ 0.3435, 0.0000,
1.4959

■ 0.0000, 0.0000,
0.2149

■ 59.5594, 49.7079,
87.3444

■ 59.5594, 49.7079,
87.3444

■ 53.9222, 40.8663,
85.9357

■ 66.0577, 60.1896,
89.0258

■ 49.0968, 33.5704,
84.7817

■ 73.4533, 72.3865,
90.9903

■ 45.0362, 27.7258,
83.8676

■ 81.7861, 86.3766,
93.2514

■ 41.6864, 23.2251,
83.1755

■ 88.4185, 96.8837,
94.9300

■ 38.9856, 19.9457,
82.6848

■ 90.3318, 97.8700,
95.0195

■ 36.8607, 17.7422,
82.3715

■ 92.3013, 98.8853,
95.1117

■ 35.1962, 16.3842,
82.1971

■ 92.4328, 98.9531,
95.1178

■ 35.1042, 16.3141,
82.1884

Harmonies

Analogous

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



52.3696, 49.7079, 105.7389



59.5594, 49.7079, 87.3444



63.5901, 49.7079, 62.5582

Triad

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



59.5594, 49.7079, 87.3444



50.1059, 49.7079, 21.9098



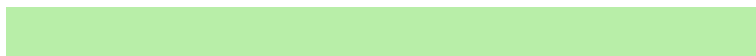
34.4370, 49.7079, 69.5701

Complementary

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



59.5594, 49.7079, 87.3444



57.4113, 74.1679, 48.3381

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.



33.9736, 49.7079, 46.4831



59.5594, 49.7079, 87.3444



42.4677, 49.7079, 22.8229

Square

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



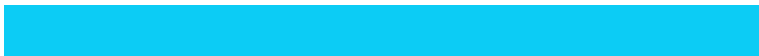
59.5594, 49.7079, 87.3444



57.7459, 49.7079, 27.6434



36.7584, 49.7079, 30.6172



38.1027, 49.7079, 93.6782

Rectangle

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



59.5594, 49.7079, 87.3444



63.6746, 49.7079, 47.5070



36.7584, 49.7079, 30.6172



33.9181, 49.7079, 61.3274

Sweetspot

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



59.5610, 49.7100, 87.3455



86.2570, 85.2400, 106.5145



48.7929, 48.9198, 87.7605



18.1765, 17.7689, 22.7217



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.



59.5610, 49.7100, 87.3455



65.7697, 51.9957, 101.1775



62.0942, 51.3165, 73.8819



16.0804, 15.8387, 19.9312



19.7024, 9.1624, 45.8580



1.7242, 0.8061, 3.8189

Inverse Universe

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



57.9159, 49.6453, 51.8797



63.7097, 51.9932, 53.2160



55.6587, 73.0488, 57.9953



15.9208, 15.8180, 17.1391



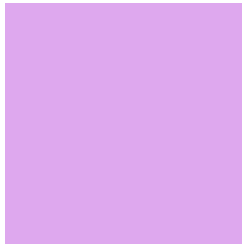
20.0888, 10.3079, 3.1182



1.7080, 0.8722, 0.4532

Previews

White Background



This preview shows how the XYZ color 59.5594, 49.7079, 87.3444 looks on a white background.

Color Contrast Check

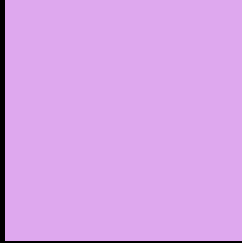
Large Text (above 18pt) WCAG AA × Fail

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 59.5594, 49.7079, 87.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

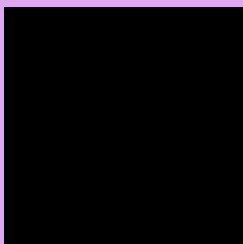
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5594, 49.7079, 87.3444

Background



This preview shows how black text looks on a background with the XYZ color 59.5594, 49.7079, 87.3444.



This preview shows how white text looks on a background with the XYZ color 59.5594, 49.7079,

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

59.5594, 49.7079, 87.3444

Protanopia

50.9665, 50.0351, 97.4140

Deuteranopia

51.1919, 50.1029, 85.5700



Tritanopia

53.1504, 49.6529, 56.0729

Trichromacy



Original Color

59.5594, 49.7079, 87.3444



Protanomaly

53.4937, 49.5854, 93.9403



Deuteranomaly

53.8257, 49.6327, 86.1000



Tritanomaly

55.4347, 49.7316, 66.3519

Monochromacy



Original Color

59.5594, 49.7079, 87.3444



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

53.0707, 51.1669, 67.4007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5594, 49.7079, 87.3444 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(222, 168, 238)` looks like.

```
.text, #text, p{  
    color:rgb(222, 168, 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(222, 168, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 168, 238) }
```

Border

The CSS property to change the border of an element to XYZ 59.5594, 49.7079, 87.3444 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(222, 168, 238) }
```


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

```
.border{ border-color:rgb(222, 168, 238) }
```

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

Here you see how a box with a 4 pixel rgb(222, 168, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 168, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 168, 238);  
box-shadow:4px 4px 4px 4px rgb(222, 168,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5594, 49.7079, 87.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 168, 238) }
```

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

```
.background{ background-color: rgb(222,  
168, 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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