

Converting Colors

XYZ(59.9880, 59.2547, 89.1412)

Have a look what the booklet for
XYZ(59.9880, 59.2547, 89.1412)
contains.

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Color

**XYZ(59.9838, 59.1178,
89.1383)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC6EE
RGB	202, 198, 238
RGB Percent	79%, 78%, 93%
CMY	0.2078, 0.2235, 0.0667
CMYK	0.15, 0.17, 0.00, 0.07
HSL	246°, 54%, 85%
HSV	246°, 17%, 93%
XYZ	59.9838, 59.1178, 89.1383
YIQ	203.7560, -10.4560, 13.2880

Conversions

Conversions Part 2

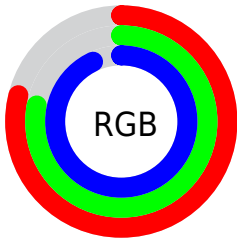
Format	Color
R _Y B	202, 198, 238
Decimal	13289198
CIE Lab	81.36, 9.24, -19.24
CIE LCh	81, 21.344, 295.653
Yxy	59.1178, 0.2881, 0.2839
Android (android.graphics.Color)	4291479278 (0xFFCAC6EE)
YUV	203.7560, 16.8823, -1.5400
Hunter-Lab	76.8881, 4.7016, -14.9147

Details

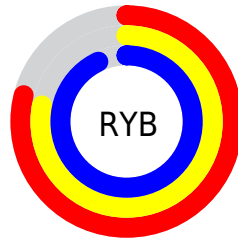
The XYZ color **59.9838, 59.1178, 89.1383** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.7014, 82.7203, 65.4583**, and the grayscale version is **57.1436, 60.1195, 65.4702**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.6295, 29.6198, 48.3588** is the 20% darker color. If you saturate the color by 10%, you get **49.5663, 46.2974, 87.2137**, and if you desaturate by 10%, it is **72.0643, 74.0673, 91.3881**.

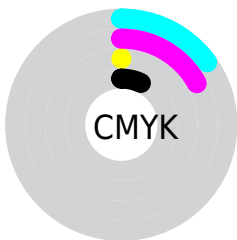
Distribution



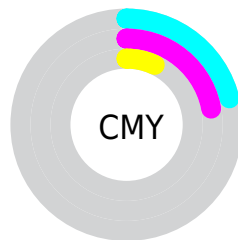
- Red (79%)
- Green (78%)
- Blue (93%)



- Red (79%)
- Yellow (78%)
- Blue (93%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (21%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9838, 59.1178, 89.1383 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 59.9838, 59.1178, 89.1383 by changing the saturation by 10% instead.

■ 59.9838, 59.1178,
89.1383

■ 59.9838, 59.1178,
89.1383

414.3738,
421.3383, 545.7214

■ 43.6550, 42.7080,
66.6965

103.9126,
103.5489, 148.0659

■ 30.5961, 29.6560,
48.3780

132.2434,
132.3389, 185.3888

■ 20.4418, 19.5777,
33.7642

165.3055,
166.0244, 228.5091

■ 12.8267, 12.0884,
22.4366

203.4643,
204.9898, 277.8455

■ 7.3855, 6.8039,
13.9767

247.0852,
249.6195, 333.8163

■ 3.7528, 3.3398,
7.9659

296.5335,

■ 1.5633, 1.3116,

300.2979, 396.8402

3.9857

352.1745,
357.4094, 467.3357

■ 0.3683, 0.1502,
1.6175

■ 0.0000, 0.0000,
0.3032

■ 59.9838, 59.1178,
89.1383

■ 59.9838, 59.1178,
89.1383

■ 49.5663, 46.2974,
87.2137

■ 72.0643, 74.0673,
91.3881

■ 40.7335, 35.5023,
85.5956

■ 85.8706, 91.2291,
93.9730

■ 33.4091, 26.6308,
84.2693

■ 92.4328, 98.9531,
95.1180

■ 27.5082, 19.5694,
83.2173

■ 22.9375, 14.1929,
82.4204

■ 19.5924, 10.3599,
81.8569

■ 17.3523, 7.9058,
81.5013

■ 16.0693, 6.6238,
81.3214

■ 15.8044, 6.3647,
81.2854

Harmonies

Analogous

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



55.5423, 59.1178, 92.0894



59.9838, 59.1178, 89.1383



63.5701, 59.1178, 79.2412

Triad

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



59.9838, 59.1178, 89.1383



61.1674, 59.1178, 46.1497



48.0667, 59.1178, 62.5257

Complementary

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



59.9838, 59.1178, 89.1383



74.7014, 82.7203, 65.4583

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.



49.4039, 59.1178, 51.4851



59.9838, 59.1178, 89.1383



56.8422, 59.1178, 42.8579

Square

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



59.9838, 59.1178, 89.1383



64.2784, 59.1178, 54.3134



52.5591, 59.1178, 44.6746



48.8098, 59.1178, 75.5954

Rectangle

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



59.9838, 59.1178, 89.1383



64.9123, 59.1178, 70.6478



52.5591, 59.1178, 44.6746



48.2857, 59.1178, 58.4741

Sweetspot

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



59.9856, 59.1202, 89.1396



87.0200, 90.0213, 107.3971



68.3361, 77.4063, 92.2291



18.3931, 18.9794, 22.9439



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.



59.9856, 59.1202, 89.1396



65.9649, 63.9752, 103.4795



65.5491, 61.9883, 89.4000



15.0438, 15.3043, 19.8827



8.8659, 3.5759, 45.3508



0.7864, 0.3227, 3.7751

Inverse Universe

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



70.3073, 64.5084, 86.5905



80.0729, 71.3418, 99.9126



68.6959, 79.6244, 65.1773



16.3822, 16.0026, 19.5688



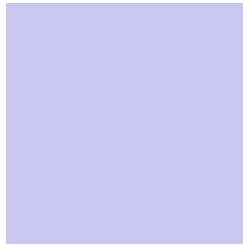
26.4858, 12.8667, 36.8043



2.2229, 1.0782, 3.1646

Previews

White Background



This preview shows how the XYZ color 59.9838, 59.1178, 89.1383 looks on a white background.

Color Contrast Check

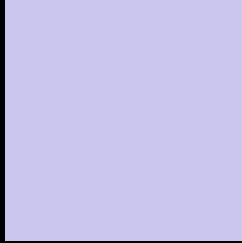
Large Text (above 18pt) WCAG AA × Fail

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 59.9838, 59.1178, 89.1383 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 59.9838, 59.1178, 89.1383

Background



This preview shows how black text looks on a background with the XYZ color 59.9838, 59.1178, 89.1383.



This preview shows how white text looks on a background with the XYZ color 59.9838, 59.1178,

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

59.9838, 59.1178, 89.1383

Protanopia

58.6306, 59.0692, 90.7494

Deuteranopia

60.3007, 58.9429, 89.0879



Tritanopia

57.0641, 59.3088, 74.7698

Trichromacy



Original Color

59.9838, 59.1178, 89.1383

Protanomaly

59.0294, 58.9492, 89.9285

Deuteranomaly

60.0275, 58.8021, 89.0751

Tritanomaly

58.0304, 59.3516, 79.6316

Monochromacy



Original Color

59.9838, 59.1178, 89.1383

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

58.1438, 59.8954, 73.4622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9838, 59.1178, 89.1383 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(202, 198, 238)` looks like.

```
.text, #text, p{  
    color:rgb(202, 198, 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(202, 198, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 198, 238) }
```

Border

The CSS property to change the border of an element to XYZ 59.9838, 59.1178, 89.1383 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(202, 198, 238) }
```


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

```
.border{ border-color:rgb(202, 198, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 198, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 198, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 198, 238); box-shadow:4px 4px 4px 4px rgb(202, 198, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9838, 59.1178, 89.1383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 198, 238) }
```

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

```
.background{ background-color: rgb(202,  
198, 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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