

Converting Colors

XYZ(40.3798, 37.0889, 59.4714)

Have a look what the booklet for
XYZ(40.3798, 37.0889, 59.4714)
contains.

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Color

**XYZ(40.2781, 36.9599,
59.6547)**

Conversions

Conversions Part 1

Format	Color
Hex	B19BC8
RGB	177, 155, 200
RGB Percent	69%, 61%, 78%
CMY	0.3059, 0.3921, 0.2157
CMYK	0.11, 0.22, 0.00, 0.22
HSL	269°, 29%, 70%
HSV	269°, 22%, 78%
XYZ	40.2781, 36.9599, 59.6547
YIQ	166.7080, -1.3330, 18.6590

Conversions

Conversions Part 2

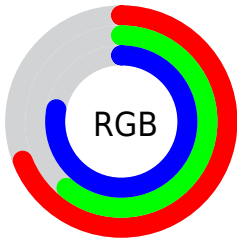
Format	Color
RYB	177, 155, 200
Decimal	11639752
CIELab	67.25, 16.74, -20.12
CIELCh	67, 26.175, 309.751
Yxy	36.9599, 0.2942, 0.2700
Android (android.graphics.Color)	4289829832 (0xFFB19BC8)
YUV	166.7080, 16.4130, 9.0261
Hunter-Lab	60.7947, 11.8704, -15.6220

Details

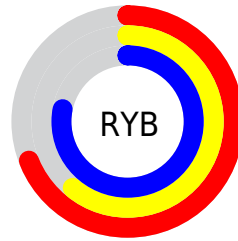
The XYZ color **40.2781, 36.9599, 59.6547** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.9321, 53.1411, 38.9011**, and the grayscale version is **36.5128, 38.4143, 41.8331**.

A 20% lighter version of the original color is **74.7009, 70.6368, 104.3049**, and **18.4508, 16.2610, 29.3604** is the 20% darker color. If you saturate the color by 10%, you get **34.9796, 29.6906, 58.5314**, and if you desaturate by 10%, it is **46.3046, 45.4248, 60.9715**.

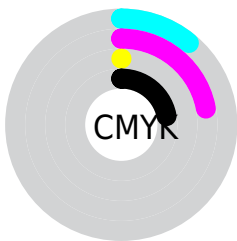
Distribution



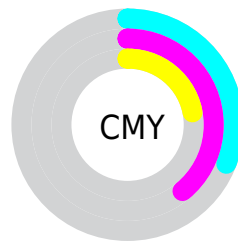
- Red (69%)
- Green (61%)
- Blue (78%)



- Red (69%)
- Yellow (61%)
- Blue (78%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (39%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2781, 36.9599, 59.6547 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 40.2781, 36.9599, 59.6547 by changing the saturation by 10% instead.

40.2781, 36.9599,
59.6547

40.2781, 36.9599,
59.6547

338.4087,
333.1369, 441.0931

27.9406, 25.1764,
42.7169

74.8685, 70.5111,
105.8671

18.4211, 16.2086,
29.3333

97.8520, 93.0476,
135.9787

11.3543, 9.6719,
19.0854

125.1150,
119.9373, 171.3187

6.3747, 5.1819,
11.5545

157.0228,
151.5646, 212.3056

3.1170, 2.3544,
6.3223

193.9407,
188.3138, 259.3580

1.2160, 0.8023,
2.9701

236.2341,

0.1189, 0.0000,

230.5693, 312.8943

1.0794

284.2683,
278.7155, 373.3332

■ 0.0000, 0.0000,
0.0000

■ 40.2781, 36.9599,
59.6547

■ 40.2781, 36.9599,
59.6547

■ 34.9796, 29.6906,
58.5314

■ 46.3046, 45.4248,
60.9715

■ 30.3748, 23.5560,
57.5900

■ 53.0846, 55.1329,
62.4881

■ 26.4314, 18.4969,
56.8214

■ 60.6465, 66.1352,
64.2131

■ 23.1131, 14.4463,
56.2144

■ 69.0162, 78.4781,
66.1544

■ 20.3795, 11.3300,
55.7570

■ 78.2168, 92.2029,
68.3187

■ 18.1847, 9.0626,
55.4350

■ 81.5588, 93.9258,
68.4751

■ 16.4742, 7.5421,
55.2317

■ 85.0957, 95.7492,
68.6406

■ 15.4382, 6.7543,
55.1342

■ 87.4254, 96.9502,
68.7496

Harmonies

Analogous

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



36.4475, 36.9599, 66.0757



40.2781, 36.9599, 59.6547



42.8468, 36.9599, 48.3542

Triad

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



40.2781, 36.9599, 59.6547



37.8577, 36.9599, 22.9194



28.0843, 36.9599, 44.0884

Complementary

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



40.2781, 36.9599, 59.6547



44.9321, 53.1411, 38.9011

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.



28.3990, 36.9599, 33.0938



40.2781, 36.9599, 59.6547



33.8432, 36.9599, 22.2104

Square

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



40.2781, 36.9599, 59.6547



41.3775, 36.9599, 27.7421



30.4391, 36.9599, 25.5781



29.5440, 36.9599, 56.0276

Rectangle

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



40.2781, 36.9599, 59.6547



43.3913, 36.9599, 40.3387



30.4391, 36.9599, 25.5781



27.9888, 36.9599, 40.1475

Sweetspot

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



40.2793, 36.9615, 59.6555



86.3403, 87.4457, 106.9358



39.9144, 43.0804, 60.8558



18.3264, 18.4965, 22.8542



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.



40.2793, 36.9615, 59.6555



65.0979, 57.5869, 102.2921



45.7673, 39.7906, 59.9124



10.5421, 10.5377, 13.3958



9.9188, 4.3476, 35.0607



0.5532, 0.2489, 1.6640

Inverse Universe

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



43.5779, 38.9379, 47.3401



71.9272, 61.6797, 76.7596



40.2339, 50.7191, 38.6812



10.8563, 10.7259, 12.2267



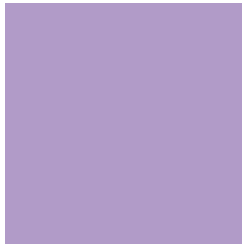
16.7227, 8.4386, 9.0156



0.8283, 0.4142, 0.6192

Previews

White Background



This preview shows how the XYZ color 40.2781, 36.9599, 59.6547 looks on a white background.

Color Contrast Check

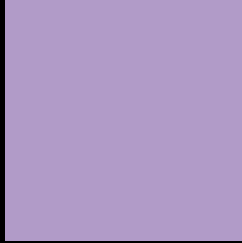
Large Text (above 18pt) WCAG AA × Fail

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 40.2781, 36.9599, 59.6547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

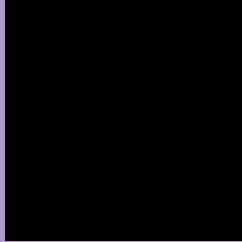
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2781, 36.9599, 59.6547

Background



This preview shows how black text looks on a background with the XYZ color 40.2781, 36.9599, 59.6547.



This preview shows how white text looks on a background with the XYZ color 40.2781, 36.9599,

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

40.2781, 36.9599, 59.6547

Protanopia

37.0766, 37.0207, 62.9492

Deuteranopia

37.7799, 36.9465, 59.1730



Tritanopia

37.3472, 37.0430, 44.7168

Trichromacy



Original Color

40.2781, 36.9599, 59.6547

Protanomaly

38.0779, 36.7895, 61.5941

Deuteranomaly

38.4720, 36.7927, 59.1068

Tritanomaly

38.2297, 36.8713, 49.9017

Monochromacy



Original Color

40.2781, 36.9599, 59.6547

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.0285, 38.1070, 47.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2781, 36.9599, 59.6547 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(177, 155, 200)` looks like.

```
.text, #text, p{  
    color:rgb(177, 155, 200)  
}
```

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(177, 155, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 155, 200) }
```

Border

The CSS property to change the border of an element to XYZ 40.2781, 36.9599, 59.6547 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(177, 155, 200) }
```


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

```
.border{ border-color:rgb(177, 155, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 155, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 155, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 155, 200);  
box-shadow:4px 4px 4px 4px rgb(177, 155,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2781, 36.9599, 59.6547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 155, 200) }
```

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

```
.background{ background-color: rgb(177,  
155, 200) }
```

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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