

Converting Colors

XYZ(40.2826, 37.5379, 59.5872)

Have a look what the booklet for
XYZ(40.2826, 37.5379, 59.5872)
contains.

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Color

**XYZ(40.1615, 37.3980,
59.7454)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9DC8
RGB	175, 157, 200
RGB Percent	69%, 62%, 78%
CMY	0.3137, 0.3843, 0.2157
CMYK	0.12, 0.21, 0.00, 0.22
HSL	265°, 28%, 70%
HSV	265°, 21%, 78%
XYZ	40.1615, 37.3980, 59.7454
YIQ	167.2840, -3.0750, 17.1890

Conversions

Conversions Part 2

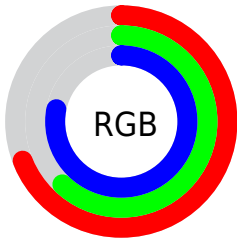
Format	Color
RYB	175, 157, 200
Decimal	11509192
CIELab	67.57, 14.96, -19.64
CIELCh	68, 24.692, 307.299
Yxy	37.3980, 0.2925, 0.2724
Android (android.graphics.Color)	4289699272 (0xFFAF9DC8)
YUV	167.2840, 16.1290, 6.7669
Hunter-Lab	61.1539, 10.2067, -15.1167

Details

The XYZ color **40.1615, 37.3980, 59.7454** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.0327, 53.6889, 39.8368**, and the grayscale version is **36.7949, 38.7111, 42.1563**.

A 20% lighter version of the original color is **74.5485, 71.2959, 104.4401**, and **18.3684, 16.5210, 29.4149** is the 20% darker color. If you saturate the color by 10%, you get **34.5525, 29.8886, 58.5921**, and if you desaturate by 10%, it is **46.5515, 46.1342, 61.0955**.

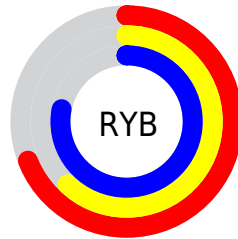
Distribution



Red (69%)

Green (62%)

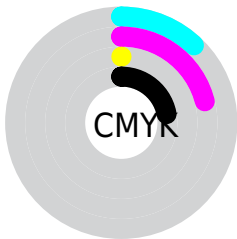
Blue (78%)



Red (69%)

Yellow (62%)

Blue (78%)

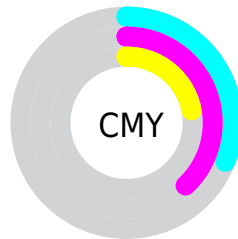


Cyan (12%)

Magenta (21%)

Yellow (0%)

Black (22%)



Cyan (31%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1615, 37.3980, 59.7454 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 40.1615, 37.3980, 59.7454 by changing the saturation by 10% instead.

■ 40.1615, 37.3980,
59.7454

■ 40.1615, 37.3980,
59.7454

337.9266,
335.0304, 441.4372

■ 27.8493, 25.5158,
42.7895

■ 74.6922, 71.1845,
106.0000

■ 18.3519, 16.4618,
29.3898

■ 97.6413, 93.8576,
136.1358

■ 11.3042, 9.8515,
19.1278

124.8667,
120.8964, 171.5019

■ 6.3406, 5.3006,
11.5849

156.7339,
152.6853, 212.5170

■ 3.0959, 2.4247,
6.3426

193.6081,
189.6088, 259.5995

■ 1.2047, 0.8386,
2.9824

235.8547,

■ 0.1101, 0.0000,

232.0512, 313.1681

1.0856

283.8391,
280.3970, 373.6411

■ 0.0000, 0.0000,
0.0000

■ 40.1615, 37.3980,
59.7454

■ 40.1615, 37.3980,
59.7454

■ 34.5525, 29.8886,
58.5921

■ 46.5515, 46.1342,
61.0955

■ 29.6884, 23.5444,
57.6240

■ 53.7495, 56.1454,
62.6484

■ 25.5354, 18.3058,
56.8317

■ 61.7854, 67.4830,
64.4133

■ 22.0554, 14.1056,
56.2044

■ 70.6867, 80.1941,
66.3976

■ 19.2061, 10.8690,
55.7298

■ 79.8365, 93.0379,
68.3945

■ 16.9401, 8.5109,
55.3941

■ 83.7620, 95.0616,
68.5782

■ 15.2015, 6.9300,
55.1806

■ 87.4254, 96.9502,
68.7496

■ 14.0564, 6.0420,
55.0696

Harmonies

Analogous

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



36.4824, 37.3980, 65.2132



40.1615, 37.3980, 59.7454



42.7242, 37.3980, 49.3448

Triad

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



40.1615, 37.3980, 59.7454



38.4418, 37.3980, 24.3003



28.7773, 37.3980, 43.4380

Complementary

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



40.1615, 37.3980, 59.7454



46.0327, 53.6889, 39.8368

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.



29.2200, 37.3980, 33.1639



40.1615, 37.3980, 59.7454



34.6251, 37.3980, 23.2855

Square

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



40.1615, 37.3980, 59.7454



41.6830, 37.3980, 29.3065



31.2978, 37.3980, 26.2346



30.0425, 37.3980, 54.7681

Rectangle

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



40.1615, 37.3980, 59.7454



43.3582, 37.3980, 41.7145



31.2978, 37.3980, 26.2346



28.7329, 37.3980, 39.7416

Sweetspot

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



40.1627, 37.3996, 59.7462



87.1645, 88.9754, 107.1876



41.0763, 44.8296, 61.1322



18.4799, 18.7984, 22.9044



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.



40.1627, 37.3996, 59.7462



64.6359, 58.1542, 102.4259



45.3569, 40.0773, 59.9893



10.4704, 10.5007, 13.3925



9.0346, 3.8918, 35.0194



0.5100, 0.2266, 1.6620

Inverse Universe

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



44.3211, 39.7722, 49.5983



73.2725, 63.0860, 81.1672



41.3554, 51.2777, 39.6179



10.8881, 10.7386, 12.3939



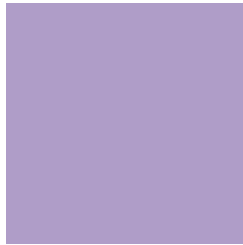
17.2056, 8.6318, 11.5587



0.8502, 0.4229, 0.7345

Previews

White Background



This preview shows how the XYZ color 40.1615, 37.3980, 59.7454 looks on a white background.

Color Contrast Check

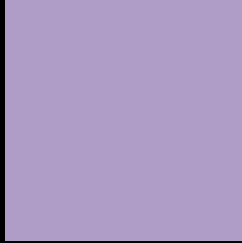
Large Text (above 18pt) WCAG AA × Fail

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 40.1615, 37.3980, 59.7454 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 40.1615, 37.3980, 59.7454

Background



This preview shows how black text looks on a background with the XYZ color 40.1615, 37.3980, 59.7454.



This preview shows how white text looks on a background with the XYZ color 40.1615, 37.3980,

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

40.1615, 37.3980, 59.7454

Protanopia

37.5138, 37.5226, 62.3921

Deuteranopia

38.1579, 37.3998, 59.2406



Tritanopia

37.3549, 37.5546, 45.3243

Trichromacy



Original Color

40.1615, 37.3980, 59.7454

Protanomaly

38.4247, 37.4829, 61.7096

Deuteranomaly

38.8160, 37.4806, 59.2215

Tritanomaly

38.1313, 37.3312, 49.9956

Monochromacy



Original Color

40.1615, 37.3980, 59.7454

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.8114, 37.9951, 47.9887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1615, 37.3980, 59.7454 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(175, 157, 200)` looks like.

```
.text, #text, p{  
    color:rgb(175, 157, 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(175, 157, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 157, 200) }
```

Border

The CSS property to change the border of an element to XYZ 40.1615, 37.3980, 59.7454 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(175, 157, 200) }
```


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

```
.border{ border-color:rgb(175, 157, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 157, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 157, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 157, 200);  
box-shadow:4px 4px 4px 4px rgb(175, 157,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1615, 37.3980, 59.7454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 157, 200) }
```

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

```
.background{ background-color: rgb(175,  
157, 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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