

Converting Colors

XYZ(44.7360, 40.8326, 81.8738)

Have a look what the booklet for
XYZ(44.7360, 40.8326, 81.8738)
contains.

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Color

**XYZ(44.6759, 40.7912,
81.8628)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA3E8
RGB	172, 163, 232
RGB Percent	67%, 64%, 91%
CMY	0.3255, 0.3608, 0.0902
CMYK	0.26, 0.30, 0.00, 0.09
HSL	248°, 60%, 77%
HSV	248°, 30%, 91%
XYZ	44.6759, 40.7912, 81.8628
YIQ	173.5570, -16.7850, 23.3670

Conversions

Conversions Part 2

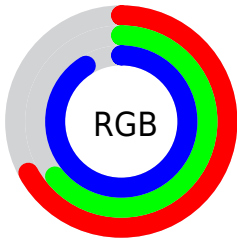
Format	Color
RYB	172, 163, 232
Decimal	11314152
CIELab	70.03, 17.94, -33.53
CIElCh	70, 38.033, 298.151
Yxy	40.7912, 0.2670, 0.2438
Android (android.graphics.Color)	4289504232 (0xFFACA3E8)
YUV	173.5570, 28.8124, -1.3655
Hunter-Lab	63.8680, 13.0924, -31.2874

Details

The XYZ color **44.6759, 40.7912, 81.8628** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65.9000, 76.0465, 45.8571**, and the grayscale version is **39.8695, 41.9458, 45.6789**.

A 20% lighter version of the original color is **75.1163, 73.8568, 104.9045**, and **20.9921, 18.3550, 43.5108** is the 20% darker color. If you saturate the color by 10%, you get **36.8318, 31.1839, 80.4225**, and if you desaturate by 10%, it is **53.9505, 52.2594, 83.5883**.

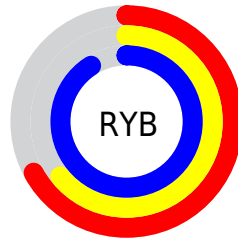
Distribution



Red (67%)

Green (64%)

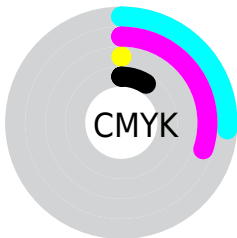
Blue (91%)



Red (67%)

Yellow (64%)

Blue (91%)

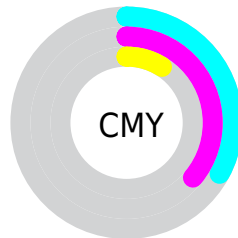


Cyan (26%)

Magenta (30%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (36%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6759, 40.7912, 81.8628 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 44.6759, 40.7912, 81.8628 by changing the saturation by 10% instead.

■ 44.6759, 40.7912,
81.8628

■ 44.6759, 40.7912,
81.8628

356.2652,
349.4472, 521.0600

■ 31.4024, 28.1560,
60.7173

■ 81.4739, 76.3668,
137.8165

■ 21.0588, 18.4433,
43.5680

■ 105.7292,
100.0760, 173.4619

■ 13.2797, 11.2687,
29.9963

134.3757,
128.2453, 214.7775

■ 7.6997, 6.2479,
19.5838

167.7789,
161.2591, 262.1821

■ 3.9536, 2.9964,
11.9118

206.3040,
199.5018, 316.0941

■ 1.6759, 1.1298,
6.5618

250.3166,

■ 0.4411, 0.0033,

243.3578, 376.9320

3.1154

300.1818,
293.2114, 445.1145

■ 0.0000, 0.0000,
1.1538

■ 0.0000, 0.0000,
0.0000

■ 44.6759, 40.7912,
81.8628

■ 44.6759, 40.7912,
81.8628

■ 36.8318, 31.1839,
80.4225

■ 53.9505, 52.2594,
83.5883

■ 30.3425, 23.3343,
79.2494

■ 64.7179, 65.6748,
85.6102

■ 25.1316, 17.1367,
78.3278

■ 77.0419, 81.1238,
87.9426

■ 21.1131, 12.4718,
77.6392

■ 90.7242, 98.1725,
90.5122

■ 18.1905, 9.2041,
77.1625

■ 91.5656, 98.6063,
90.5516

■ 16.2513, 7.1741,
76.8729

■ 15.1308, 6.1273,
76.7299

■ 15.1087, 6.1062,
76.7270

Harmonies

Analogous

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



38.3871, 40.7912, 88.0617



44.6759, 40.7912, 81.8628



49.8129, 40.7912, 64.9929

Triad

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



44.6759, 40.7912, 81.8628



45.4128, 40.7912, 21.2552



28.0279, 40.7912, 43.3212

Complementary

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



44.6759, 40.7912, 81.8628



65.9000, 76.0465, 45.8571

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.



29.4945, 40.7912, 28.7153



44.6759, 40.7912, 81.8628



39.1571, 40.7912, 18.2706

Square

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



44.6759, 40.7912, 81.8628



50.2692, 40.7912, 30.1669



33.4104, 40.7912, 20.5878



29.1748, 40.7912, 62.5625

Rectangle

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



44.6759, 40.7912, 81.8628



51.6575, 40.7912, 51.8061



33.4104, 40.7912, 20.5878



28.2281, 40.7912, 37.7621

Sweetspot

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



44.6773, 40.7928, 81.8637



81.1960, 82.6309, 106.2776



56.3132, 66.8983, 86.2893



16.9320, 17.1274, 22.6635



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.



44.6773, 40.7928, 81.8637



48.9009, 42.6195, 100.2568



52.9928, 45.0796, 82.2529



13.7567, 13.9768, 18.1171



8.4460, 3.4200, 42.5981



0.6808, 0.2819, 3.1505

Inverse Universe

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



59.6964, 48.6794, 76.0630



70.5544, 53.9981, 91.5192



56.5668, 71.2350, 45.4203



14.9100, 14.5812, 17.7263



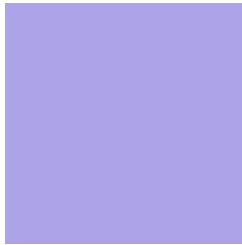
24.4098, 11.8981, 32.1167



1.8264, 0.8883, 2.4925

Previews

White Background



This preview shows how the XYZ color 44.6759, 40.7912, 81.8628 looks on a white background.

Color Contrast Check

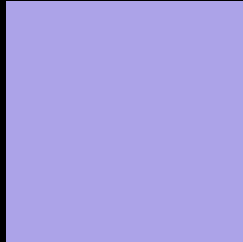
Large Text (above 18pt) WCAG AA × Fail

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 44.6759, 40.7912, 81.8628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

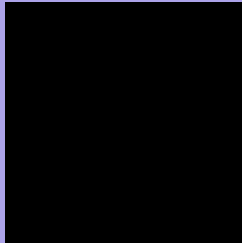
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.6759, 40.7912, 81.8628

Background



This preview shows how black text looks on a background with the XYZ color 44.6759, 40.7912, 81.8628.



This preview shows how white text looks on a background with the XYZ color 44.6759, 40.7912,

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

44.6759, 40.7912, 81.8628

Protanopia

42.0908, 41.0114, 85.0544

Deuteranopia

41.9382, 41.0155, 81.3077



Tritanopia

38.7197, 40.8367, 52.2959

Trichromacy



Original Color

44.6759, 40.7912, 81.8628

Protanomaly

43.1122, 41.0065, 84.2401

Deuteranomaly

42.9405, 40.9840, 81.2488

Tritanomaly

40.6933, 40.7947, 62.2293

Monochromacy



Original Color

44.6759, 40.7912, 81.8628

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.4586, 41.5738, 57.4692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6759, 40.7912, 81.8628 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(172, 163, 232)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 232)  
}
```

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(172, 163, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 232) }
```

Border

The CSS property to change the border of an element to XYZ 44.6759, 40.7912, 81.8628 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(172, 163, 232) }
```


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

```
.border{ border-color:rgb(172, 163, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 232);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6759, 40.7912, 81.8628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 232) }
```

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

```
.background{ background-color: rgb(172,  
163, 232) }
```

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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