

Converting Colors

XYZ(42.5725, 39.1137, 69.2984)

Have a look what the booklet for
XYZ(42.5725, 39.1137, 69.2984)
contains.

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Color

**XYZ(42.7410, 39.2780,
69.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A0D7
RGB	176, 160, 215
RGB Percent	69%, 63%, 84%
CMY	0.3098, 0.3725, 0.1569
CMYK	0.18, 0.26, 0.00, 0.16
HSL	257°, 41%, 74%
HSV	257°, 26%, 84%
XYZ	42.7410, 39.2780, 69.6187
YIQ	171.0540, -8.1190, 20.4970

Conversions

Conversions Part 2

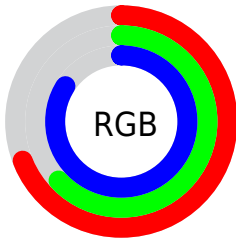
Format	Color
RYB	176, 160, 215
Decimal	11575511
CIELab	68.95, 16.89, -25.83
CIELCh	69, 30.863, 303.182
Yxy	39.2780, 0.2819, 0.2590
Android (android.graphics.Color)	4289765591 (0xFFB0A0D7)
YUV	171.0540, 21.6654, 4.3376
Hunter-Lab	62.6722, 12.0567, -21.9911

Details

The XYZ color **42.7410, 39.2780, 69.6187** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.2001, 63.2821, 42.6174**, and the grayscale version is **38.6344, 40.6464, 44.2639**.

A 20% lighter version of the original color is **75.6291, 72.9767, 104.7076**, and **19.8761, 17.4741, 35.5830** is the 20% darker color. If you saturate the color by 10%, you get **36.0756, 30.7799, 68.3304**, and if you desaturate by 10%, it is **50.4406, 49.2679, 71.1418**.

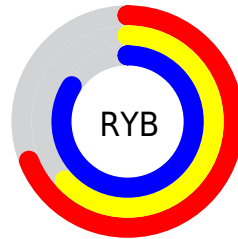
Distribution



Red (69%)

Green (63%)

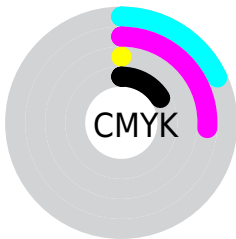
Blue (84%)



Red (69%)

Yellow (63%)

Blue (84%)

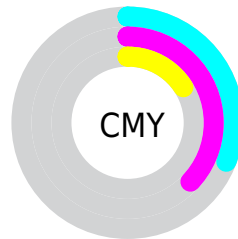


Cyan (18%)

Magenta (26%)

Yellow (0%)

Black (16%)



Cyan (31%)

Magenta (37%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7410, 39.2780, 69.6187 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 42.7410, 39.2780, 69.6187 by changing the saturation by 10% instead.

■ 42.7410, 39.2780,
69.6187

■ 42.7410, 39.2780,
69.6187

348.4851,
343.0710, 477.9630

■ 29.8756, 26.9761,
50.7409

■ 78.5780, 74.0628,
120.3408

■ 19.8918, 17.5552,
35.6271

■ 102.2804, 97.3145,
153.0222

■ 12.4242, 10.6312,
23.8589

130.3257,
124.9849, 191.1419

■ 7.1075, 5.8194,
15.0178

163.0794,
157.4583, 235.1183

■ 3.5764, 2.7356,
8.6851

200.9069,
195.1193, 285.3701

■ 1.4654, 0.9953,
4.4424

244.1734,

■ 0.3021, 0.0000,

238.3521, 342.3158

1.8710

293.2444,
287.5412, 406.3739

■ 0.0000, 0.0000,
0.4742

■ 0.0000, 0.0000,
0.0000

■ 42.7410, 39.2780,
69.6187

■ 42.7410, 39.2780,
69.6187

■ 36.0756, 30.7799,
68.3304

■ 50.4406, 49.2679,
71.1418

■ 30.3947, 23.6960,
67.2624

■ 59.2137, 60.8127,
72.9078

■ 25.6501, 17.9485,
66.4031

■ 69.1017, 73.9775,
74.9277

■ 21.7875, 13.4504,
65.7385

■ 80.1431, 88.8225,
77.2111

■ 18.7468, 10.1039,
65.2528

■ 88.2546, 97.1650,
78.3938

■ 16.4594, 7.7957,
64.9278

■ 89.2659, 97.6863,
78.4412

■ 14.8432, 6.3881,
64.7413

■ 14.2866, 5.9481,
64.6857

Harmonies

Analogous

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



37.8590, 39.2780, 75.8380



42.7410, 39.2780, 69.6187



46.4067, 39.2780, 56.1605

Triad

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



42.7410, 39.2780, 69.6187



41.7555, 39.2780, 22.8925



28.6782, 39.2780, 44.2853

Complementary

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



42.7410, 39.2780, 69.6187



54.2001, 63.2821, 42.6174

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.



29.5258, 39.2780, 31.6927



42.7410, 39.2780, 69.6187



36.8110, 39.2780, 21.0545

Square

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



42.7410, 39.2780, 69.6187



45.8036, 39.2780, 29.6115



32.4008, 39.2780, 23.8961



29.9762, 39.2780, 59.3354

Rectangle

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



42.7410, 39.2780, 69.6187



47.5120, 39.2780, 46.0576



32.4008, 39.2780, 23.8961



28.7220, 39.2780, 39.6372

Sweetspot

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



42.7423, 39.2796, 69.6196



83.7607, 85.0268, 106.6049



47.2837, 53.4200, 72.1096



17.4994, 17.6337, 22.7313



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.



42.7423, 39.2796, 69.6196



57.1041, 50.3857, 101.3234



49.4891, 42.7577, 69.9353



12.0786, 12.1819, 15.6523



8.6370, 3.6050, 38.6938



0.6028, 0.2596, 2.3377

Inverse Universe

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



50.9052, 43.7138, 59.7891



71.3217, 58.1175, 83.8064



47.6418, 59.9011, 42.3105



12.7919, 12.5683, 14.8443



20.2224, 10.0253, 19.0070



1.2549, 0.6188, 1.3317

Previews

White Background



This preview shows how the XYZ color 42.7410, 39.2780, 69.6187 looks on a white background.

Color Contrast Check

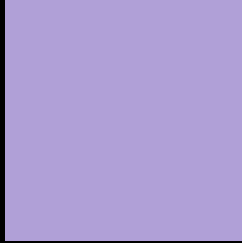
Large Text (above 18pt) WCAG AA × Fail

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 42.7410, 39.2780, 69.6187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

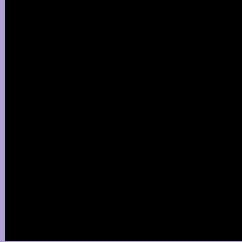
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7410, 39.2780, 69.6187

Background



This preview shows how black text looks on a background with the XYZ color 42.7410, 39.2780, 69.6187.



This preview shows how white text looks on a background with the XYZ color 42.7410, 39.2780,

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

42.7410, 39.2780, 69.6187

Protanopia

39.8809, 39.3098, 73.1957

Deuteranopia

40.2907, 39.3424, 69.0886



Tritanopia

38.6345, 39.4788, 48.7639

Trichromacy



Original Color

42.7410, 39.2780, 69.6187

Protanomaly

40.8306, 39.2943, 71.7622

Deuteranomaly

40.9607, 39.1564, 69.0174

Tritanomaly

39.9144, 39.1718, 55.9093

Monochromacy



Original Color

42.7410, 39.2780, 69.6187

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.0219, 40.1095, 52.6462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7410, 39.2780, 69.6187 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(176, 160, 215)` looks like.

```
.text, #text, p{  
    color:rgb(176, 160, 215)  
}
```

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(176, 160, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 160, 215) }
```

Border

The CSS property to change the border of an element to XYZ 42.7410, 39.2780, 69.6187 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(176, 160, 215) }
```


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

```
.border{ border-color:rgb(176, 160, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 160, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 160, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 160, 215);  
box-shadow:4px 4px 4px 4px rgb(176, 160,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7410, 39.2780, 69.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 160, 215) }
```

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

```
.background{ background-color: rgb(176,  
160, 215) }
```

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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