

Converting Colors

XYZ(45.7786, 39.7860, 71.5963)

Have a look what the booklet for
XYZ(45.7786, 39.7860, 71.5963)
contains.

XYZ(45.7786, 39.7860, 71.5963)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.7786, 39.7860,
71.5963)**

Conversions

Conversions Part 1

Format	Color
Hex	BE9CDA
RGB	190, 156, 218
RGB Percent	75%, 61%, 85%
CMY	0.2549, 0.3882, 0.1451
CMYK	0.13, 0.28, 0.00, 0.15
HSL	273°, 46%, 73%
HSV	273°, 28%, 85%
XYZ	45.7786, 39.7860, 71.5963
YIQ	173.2340, 0.3620, 26.4900

Conversions

Conversions Part 2

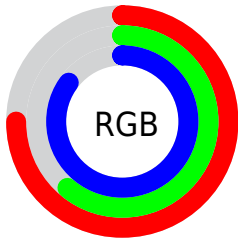
Format	Color
RYB	190, 156, 218
Decimal	12491994
CIELab	69.32, 24.19, -26.82
CIELCh	69, 36.115, 312.048
Yxy	39.7860, 0.2913, 0.2532
Android (android.graphics.Color)	4290682074 (0xFFBE9CDA)
YUV	173.2340, 22.0696, 14.7038
Hunter-Lab	63.0761, 19.1662, -23.1454

Details

The XYZ color **45.7786, 39.7860, 71.5963** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.8404, 62.7343, 40.8835**, and the grayscale version is **39.7317, 41.8009, 45.5211**.

A 20% lighter version of the original color is **79.7020, 73.5827, 104.6099**, and **21.7145, 17.7792, 36.9376** is the 20% darker color. If you saturate the color by 10%, you get **40.0673, 31.8907, 70.3740**, and if you desaturate by 10%, it is **52.3151, 49.0832, 73.0470**.

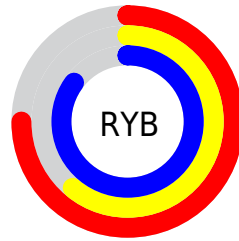
Distribution



Red (75%)

Green (61%)

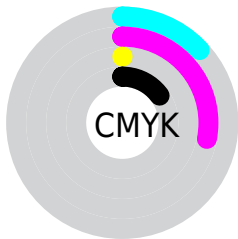
Blue (85%)



Red (75%)

Yellow (61%)

Blue (85%)

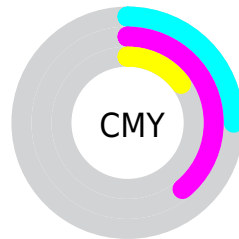


Cyan (13%)

Magenta (28%)

Yellow (0%)

Black (15%)



Cyan (25%)


Magenta (39%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7786, 39.7860, 71.5963 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 45.7786, 39.7860, 71.5963 by changing the saturation by 10% instead.


 45.7786, 39.7860,
71.5963


 45.7786, 39.7860,
71.5963


360.6487,
345.2208, 485.0750

 32.2750, 27.3717,
52.3441


 83.1175, 74.8375,
123.1848

 21.7282, 17.8526,
36.8953

 107.6834, 98.2436,
156.3582

 13.7728, 10.8442,
24.8313


136.6676,
126.0824, 195.0091

 8.0435, 5.9622,
15.7335

170.4353,
158.7382, 239.5560

 4.1748, 2.8221,
9.1835

209.3519,
196.5956, 290.4175

 1.8015, 1.0396,
4.7626

253.7828,

 0.5186, 0.0000,

240.0389, 348.0122

2.0524

304.0933,
289.4525, 412.7585

■ 0.0000, 0.0000,
0.5872

■ 0.0000, 0.0000,
0.0000

■ 45.7786, 39.7860,
71.5963

■ 45.7786, 39.7860,
71.5963

■ 40.0673, 31.8907,
70.3740

■ 52.3151, 49.0832,
73.0470

■ 35.1389, 25.3205,
69.3656

■ 59.7086, 59.8439,
74.7343

■ 30.9530, 19.9984,
68.5589

■ 67.9938, 72.1322,
76.6695

■ 27.4635, 15.8373,
67.9397

■ 77.2022, 86.0065,
78.8622

■ 24.6182, 12.7385,
67.4915

■ 84.0887, 94.9724,
80.2298

■ 22.3564, 10.5858,
67.1952

■ 87.5080, 96.7352,
80.3899

■ 20.5892, 9.2071,
67.0222

■ 89.6550, 97.8420,
80.4903

■ 20.3384, 9.0229,
66.9999

Harmonies

Analogous

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



40.1888, 39.7860, 82.6165



45.7786, 39.7860, 71.5963



49.4350, 39.7860, 53.9178

Triad

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



45.7786, 39.7860, 71.5963



41.3544, 39.7860, 19.5041



27.9327, 39.7860, 50.3270

Complementary

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



45.7786, 39.7860, 71.5963



50.8404, 62.7343, 40.8835

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.



28.1761, 39.7860, 34.2110



45.7786, 39.7860, 71.5963



35.5373, 39.7860, 19.0086

Square

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



45.7786, 39.7860, 71.5963



46.7066, 39.7860, 25.2718



30.8337, 39.7860, 23.6836



30.1309, 39.7860, 68.3963

Rectangle

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



45.7786, 39.7860, 71.5963



50.0778, 39.7860, 42.1902



30.8337, 39.7860, 23.6836



27.7385, 39.7860, 44.4702

Sweetspot

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



45.7799, 39.7877, 71.5972



84.4498, 84.3084, 106.4299



43.7016, 46.8014, 73.0605



17.7302, 17.5389, 22.7008



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.



45.7799, 39.7877, 71.5972



60.3813, 49.9116, 101.0592



53.1890, 43.6382, 70.5409



13.0178, 12.9673, 16.4690



12.3103, 5.4704, 40.1455



0.8963, 0.4053, 2.6054

Inverse Universe

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



49.4548, 42.1446, 50.8768



66.6162, 53.9034, 66.2167



44.9603, 59.6826, 41.5298



13.2993, 13.1488, 14.8372



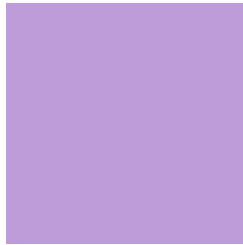
18.7084, 9.4844, 8.1106



1.2551, 0.6317, 0.7521

Previews

White Background



This preview shows how the XYZ color 45.7786, 39.7860, 71.5963 looks on a white background.

Color Contrast Check

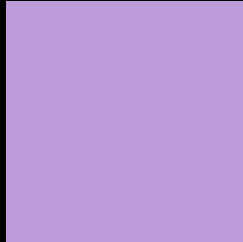
Large Text (above 18pt) WCAG AA × Fail

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 45.7786, 39.7860, 71.5963 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 45.7786, 39.7860, 71.5963

Background



This preview shows how black text looks on a background with the XYZ color 45.7786, 39.7860, 71.5963.



This preview shows how white text looks on a background with the XYZ color 45.7786, 39.7860,

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

45.7786, 39.7860, 71.5963

Protanopia

40.6831, 39.9007, 77.5089

Deuteranopia

40.7288, 39.8074, 70.5027



Tritanopia

40.7397, 39.7925, 47.1285

Trichromacy



Original Color

45.7786, 39.7860, 71.5963

Protanomaly

42.1424, 39.6291, 75.2401

Deuteranomaly

42.4580, 39.6211, 71.0555

Tritanomaly

42.5090, 39.7346, 55.2983

Monochromacy



Original Color

45.7786, 39.7860, 71.5963

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.5944, 40.8953, 53.8454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7786, 39.7860, 71.5963 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(190, 156, 218)` looks like.

```
.text, #text, p{  
    color:rgb(190, 156, 218)  
}
```

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(190, 156, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 156, 218) }
```

Border

The CSS property to change the border of an element to XYZ 45.7786, 39.7860, 71.5963 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(190, 156, 218) }
```


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

```
.border{ border-color:rgb(190, 156, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 156, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 156, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 156, 218);  
box-shadow:4px 4px 4px 4px rgb(190, 156,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7786, 39.7860, 71.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 156, 218) }
```

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

```
.background{ background-color: rgb(190,  
156, 218) }
```

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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