

Converting Colors

XYZ(46.2226, 40.5883, 78.0429)

Have a look what the booklet for
XYZ(46.2226, 40.5883, 78.0429)
contains.

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Color

**XYZ(46.2708, 40.6566,
78.0818)**

Conversions

Conversions Part 1

Format	Color
Hex	B99FE3
RGB	185, 159, 227
RGB Percent	73%, 62%, 89%
CMY	0.2745, 0.3765, 0.1098
CMYK	0.19, 0.30, 0.00, 0.11
HSL	263°, 55%, 76%
HSV	263°, 30%, 89%
XYZ	46.2708, 40.6566, 78.0818
YIQ	174.5260, -6.3320, 26.6600

Conversions

Conversions Part 2

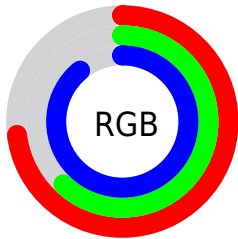
Format	Color
RYB	185, 159, 227
Decimal	12165091
CIELab	69.93, 22.92, -30.85
CIELCh	70, 38.438, 306.613
Yxy	40.6566, 0.2804, 0.2464
Android (android.graphics.Color)	4290355171 (0xFFB99FE3)
YUV	174.5260, 25.8697, 9.1857
Hunter-Lab	63.7625, 17.9484, -27.9711

Details

The XYZ color **46.2708, 40.6566, 78.0818** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.8158, 69.8599, 43.2397**, and the grayscale version is **40.3771, 42.4798, 46.2605**.

A 20% lighter version of the original color is **78.7145, 74.1904, 104.7792**, and **21.9685, 18.2810, 40.8988** is the 20% darker color. If you saturate the color by 10%, you get **39.5028, 31.8959, 76.7482**, and if you desaturate by 10%, it is **54.0919, 51.0261, 79.6718**.

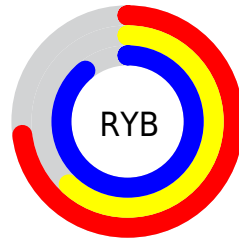
Distribution



Red (73%)

Green (62%)

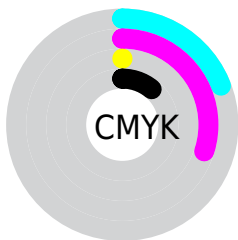
Blue (89%)



Red (73%)

Yellow (62%)

Blue (89%)

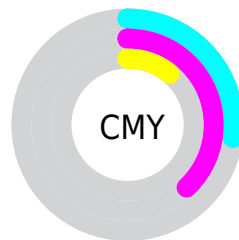


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (27%)


Magenta (38%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2708, 40.6566, 78.0818 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 46.2708, 40.6566, 78.0818 by changing the saturation by 10% instead.


 46.2708, 40.6566,
78.0818


 46.2708, 40.6566,
78.0818


362.5940,
348.8833, 507.9799

 32.6651, 28.0509,
57.6243


 83.8495, 76.1623,
132.4523

 22.0280, 18.3640,
41.0940


 108.5532, 99.8311,
167.2025

 13.9942, 11.2116,
28.0723


137.6870,
127.9563, 207.5540

 8.1983, 6.2094,
18.1406

171.6162,
160.9224, 253.9253

 4.2750, 2.9728,
10.8805

210.7061,
199.1138, 306.7350

 1.8588, 1.1176,
5.8734

255.3221,

 0.5527, 0.0000,

242.9148, 366.4016

2.7007

305.8297,
292.7098, 433.3437

■ 0.0000, 0.0000,
0.9438

■ 0.0000, 0.0000,
0.0000

■ 46.2708, 40.6566,
78.0818

■ 46.2708, 40.6566,
78.0818

■ 39.5028, 31.8959,
76.7482

■ 54.0919, 51.0261,
79.6718

■ 33.7349, 24.6556,
75.6547

■ 63.0076, 63.0768,
81.5279

■ 28.9153, 18.8461,
74.7873

■ 73.0618, 76.8827,
83.6628

■ 24.9856, 14.3658,
74.1297

■ 84.2949, 92.5115,
86.0874

■ 21.8798, 11.0994,
73.6629

■ 90.8653, 98.3261,
86.8634

■ 19.5208, 8.9107,
73.3648

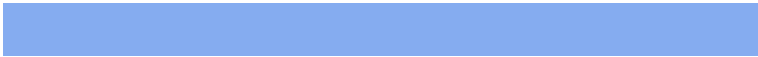
■ 17.7834, 7.5677,
73.1971

■ 17.7764, 7.5624,
73.1965

Harmonies

Analogous

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



40.0448, 40.6566, 88.0692



46.2708, 40.6566, 78.0818



50.7696, 40.6566, 59.4009

Triad

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



46.2708, 40.6566, 78.0818



43.6176, 40.6566, 19.5777



27.8824, 40.6566, 48.3553

Complementary

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



46.2708, 40.6566, 78.0818



57.8158, 69.8599, 43.2397

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.



28.6195, 40.6566, 31.9521



46.2708, 40.6566, 78.0818



37.2740, 40.6566, 18.1062

Square

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



46.2708, 40.6566, 78.0818



49.1259, 40.6566, 26.7355



31.9030, 40.6566, 21.9722



29.7685, 40.6566, 68.1592

Rectangle

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



46.2708, 40.6566, 78.0818



51.9389, 40.6566, 46.3352



31.9030, 40.6566, 21.9722



27.8349, 40.6566, 42.2634

Sweetspot

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



46.2722, 40.6583, 78.0827



83.1365, 83.6313, 106.3684



49.3007, 55.1907, 80.7281



17.4072, 17.3723, 22.6857



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.



46.2722, 40.6583, 78.0827



54.5504, 45.5319, 100.5212



55.1579, 45.2391, 78.4986



14.1011, 14.1544, 18.1332



10.4875, 4.4724, 42.6937



0.8760, 0.3825, 3.1596

Inverse Universe

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



54.6206, 45.3458, 61.1338



67.2779, 52.6875, 74.2651



49.8911, 65.7745, 42.8689



14.7493, 14.5169, 16.8802



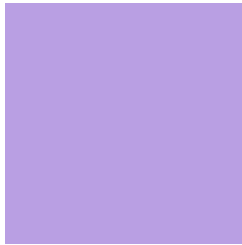
21.3032, 10.6555, 15.7577



1.6192, 0.8054, 1.4013

Previews

White Background



This preview shows how the XYZ color 46.2708, 40.6566, 78.0818 looks on a white background.

Color Contrast Check

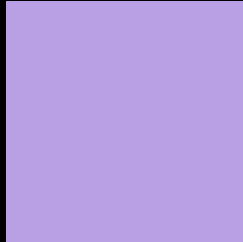
Large Text (above 18pt) WCAG AA × Fail

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 46.2708, 40.6566, 78.0818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

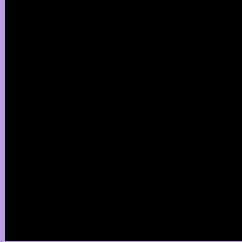
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2708, 40.6566, 78.0818

Background



This preview shows how black text looks on a background with the XYZ color 46.2708, 40.6566, 78.0818.



This preview shows how white text looks on a background with the XYZ color 46.2708, 40.6566,

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

46.2708, 40.6566, 78.0818

Protanopia

41.9881, 40.9918, 83.5411

Deuteranopia

41.6938, 40.7106, 76.8946



Tritanopia

40.4746, 40.6886, 49.4365

Trichromacy



Original Color

46.2708, 40.6566, 78.0818

Protanomaly

43.1888, 40.5723, 81.1562

Deuteranomaly

43.3310, 40.7261, 77.5286

Tritanomaly

42.4706, 40.6908, 59.0417

Monochromacy



Original Color

46.2708, 40.6566, 78.0818

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.5160, 41.8547, 56.8769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2708, 40.6566, 78.0818 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(185, 159, 227)` looks like.

```
.text, #text, p{  
    color:rgb(185, 159, 227)  
}
```

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(185, 159, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 159, 227) }
```

Border

The CSS property to change the border of an element to XYZ 46.2708, 40.6566, 78.0818 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(185, 159, 227) }
```


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

```
.border{ border-color:rgb(185, 159, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 159, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 159, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 159, 227);  
box-shadow:4px 4px 4px 4px rgb(185, 159,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2708, 40.6566, 78.0818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 159, 227) }
```

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

```
.background{ background-color: rgb(185,  
159, 227) }
```

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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