

Converting Colors

XYZ(48.3209, 41.0251, 90.0258)

Have a look what the booklet for
XYZ(48.3209, 41.0251, 90.0258)
contains.

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Color

**XYZ(48.2422, 40.8993,
90.1457)**

Conversions

Conversions Part 1

Format	Color
Hex	B99DF3
RGB	185, 157, 243
RGB Percent	73%, 62%, 95%
CMY	0.2745, 0.3843, 0.0471
CMYK	0.24, 0.35, 0.00, 0.05
HSL	260°, 78%, 78%
HSV	260°, 35%, 95%
XYZ	48.2422, 40.8993, 90.1457
YIQ	175.1760, -10.9180, 32.6820

Conversions

Conversions Part 2

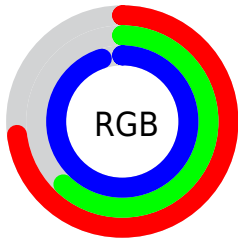
Format	Color
RYB	185, 157, 243
Decimal	12164595
CIELab	70.11, 27.70, -39.34
CIELCh	70, 48.113, 305.147
Yxy	40.8993, 0.2691, 0.2281
Android (android.graphics.Color)	4290354675 (0xFFB99DF3)
YUV	175.1760, 33.4372, 8.6156
Hunter-Lab	63.9526, 22.7333, -38.8067

Details

The XYZ color **48.2422, 40.8993, 90.1457** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.1618, 80.9835, 44.0442**, and the grayscale version is **40.6762, 42.7946, 46.6033**.

A 20% lighter version of the original color is **78.2114, 73.1842, 104.6115**, and **23.1204, 18.3941, 48.7862** is the 20% darker color. If you saturate the color by 10%, you get **40.8044, 31.5575, 88.7353**, and if you desaturate by 10%, it is **56.9562, 52.1143, 91.8518**.

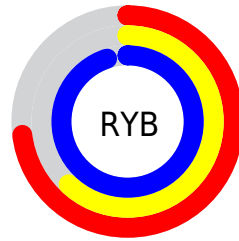
Distribution



Red (73%)

Green (62%)

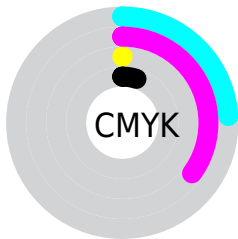
Blue (95%)



Red (73%)

Yellow (62%)

Blue (95%)

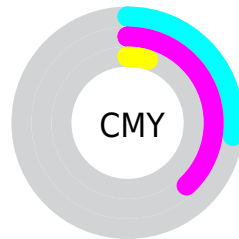


Cyan (24%)

Magenta (35%)

Yellow (0%)

Black (5%)



Cyan (27%)


Magenta (38%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2422, 40.8993, 90.1457 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 48.2422, 40.8993, 90.1457 by changing the saturation by 10% instead.


 48.2422, 40.8993,
90.1457


 48.2422, 40.8993,
90.1457


370.3180,
349.8996, 549.0870

 34.2308, 28.2404,
67.5271


 86.7724, 76.5310,
149.4780

 23.2347, 18.5070,
49.0488

 112.0219,
100.2726, 187.0289

 14.8885, 11.3146,
34.2923


141.7482,
128.4772, 230.3942

 8.8270, 6.2788,
22.8391

176.3165,
161.5293, 279.9925

 4.6847, 3.0154,
14.2706

216.0923,
199.8131, 336.2425

 2.0963, 1.1398,
8.1682

261.4409,

 0.6872, 0.0117,

243.7132, 399.5625

4.1134

312.7277,
293.6139, 470.3712

■ 0.0000, 0.0000,
1.6878

■ 0.0000, 0.0000,
0.3523

■ 48.2422, 40.8993,
90.1457

■ 48.2422, 40.8993,
90.1457

■ 40.8044, 31.5575,
88.7353

■ 56.9562, 52.1143,
91.8518

■ 34.5742, 23.9788,
87.6008

■ 67.0014, 65.2947,
93.8665

■ 29.4831, 18.0485,
86.7245

■ 78.4347, 80.5321,
96.2050

■ 25.4529, 13.6361,
86.0852

■ 91.3084, 97.9112,
98.8810

■ 22.3942, 10.5902,
85.6585

■ 93.1778, 99.2511,
99.0411

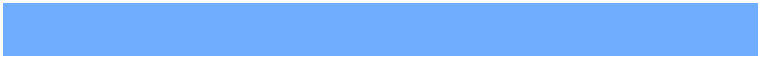
■ 20.1998, 8.7256,
85.4143

■ 19.4120, 8.1384,
85.3424

Harmonies

Analogous

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



40.2456, 40.8993, 103.0711



48.2422, 40.8993, 90.1457



54.2683, 40.8993, 65.3211

Triad

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



48.2422, 40.8993, 90.1457



45.5801, 40.8993, 15.6661



25.6769, 40.8993, 48.5304

Complementary

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



48.2422, 40.8993, 90.1457



66.1618, 80.9835, 44.0442

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.



26.7060, 40.8993, 28.7011



48.2422, 40.8993, 90.1457



37.5331, 40.8993, 13.8315

Square

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



48.2422, 40.8993, 90.1457



52.5919, 40.8993, 23.9686



30.8039, 40.8993, 17.6824



27.7759, 40.8993, 74.3965

Rectangle

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



48.2422, 40.8993, 90.1457



55.9669, 40.8993, 48.2968



30.8039, 40.8993, 17.6824



25.6718, 40.8993, 40.9688

Sweetspot

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



48.2436, 40.9009, 90.1466



80.1249, 79.9778, 105.8220



54.5797, 62.6327, 94.0074



16.7850, 16.6330, 22.5758



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.



48.2436, 40.9009, 90.1466



48.0980, 38.4075, 99.4861



59.9880, 46.9554, 90.6963



16.0892, 16.1886, 20.8193



10.7793, 4.5312, 46.8445



1.0508, 0.4516, 4.1220

Inverse Universe

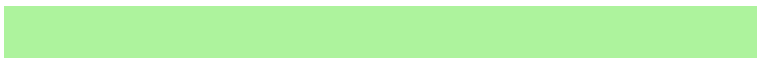
The Inverse Universe completely reimagines the original color for something new.



61.2860, 48.0764, 70.3407



64.7497, 47.5827, 73.5723



55.3197, 75.3941, 43.5368



16.9707, 16.6711, 19.5925



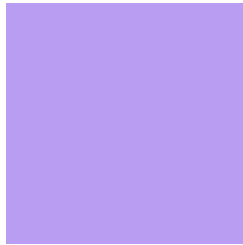
24.0226, 11.9525, 20.6253



2.1584, 1.0693, 2.0606

Previews

White Background



This preview shows how the XYZ color 48.2422, 40.8993, 90.1457 looks on a white background.

Color Contrast Check

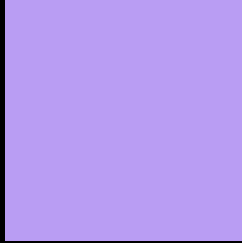
Large Text (above 18pt) WCAG AA × Fail

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 48.2422, 40.8993, 90.1457 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 48.2422, 40.8993, 90.1457

Background



This preview shows how black text looks on a background with the XYZ color 48.2422, 40.8993, 90.1457.



This preview shows how white text looks on a background with the XYZ color 48.2422, 40.8993,

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

48.2422, 40.8993, 90.1457

Protanopia

43.0863, 41.2438, 97.7854

Deuteranopia

42.1355, 41.2438, 88.1781



Tritanopia

40.1908, 40.7935, 50.5554

Trichromacy



Original Color

48.2422, 40.8993, 90.1457

Protanomaly

44.6546, 41.0189, 95.1864

Deuteranomaly

44.0303, 40.8382, 88.7810

Tritanomaly

42.8347, 40.7830, 63.3719

Monochromacy



Original Color

48.2422, 40.8993, 90.1457

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.0184, 41.7591, 60.4366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2422, 40.8993, 90.1457 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, 157, 243)` looks like.

```
.text, #text, p{  
    color:rgb(185, 157, 243)  
}
```

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, 157, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 157, 243) }
```

Border

The CSS property to change the border of an element to XYZ 48.2422, 40.8993, 90.1457 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, 157, 243) }
```


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

```
.border{ border-color:rgb(185, 157, 243) }
```

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

Here you see how a box with a 4 pixel rgb(185, 157, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 157, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 157, 243);  
box-shadow:4px 4px 4px 4px rgb(185, 157,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2422, 40.8993, 90.1457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 157, 243) }
```

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

```
.background{ background-color: rgb(185,  
157, 243) }
```

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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