

Converting Colors

XYZ(45.3235, 42.1875, 82.1565)

Have a look what the booklet for
XYZ(45.3235, 42.1875, 82.1565)
contains.

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Color

**XYZ(45.3975, 42.2343,
82.1033)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA7E8
RGB	172, 167, 232
RGB Percent	67%, 65%, 91%
CMY	0.3255, 0.3451, 0.0902
CMYK	0.26, 0.28, 0.00, 0.09
HSL	245°, 59%, 78%
HSV	245°, 28%, 91%
XYZ	45.3975, 42.2343, 82.1033
YIQ	175.9050, -17.8850, 21.2750

Conversions

Conversions Part 2

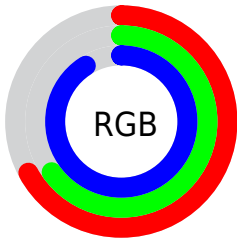
Format	Color
R_{YB}	172, 167, 232
Decimal	11315176
CIE _{Lab}	71.03, 15.70, -31.98
CIE _{LCh}	71, 35.630, 296.150
Yxy	42.2343, 0.2675, 0.2488
Android (android.graphics.Color)	4289505256 (0xFFACA7E8)
YUV	175.9050, 27.6548, -3.4247
Hunter-Lab	64.9879, 10.9628, -29.4132

Details

The XYZ color **45.3975, 42.2343, 82.1033** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.5113, 76.8351, 47.8334**, and the grayscale version is **41.0857, 43.2254, 47.0724**.

A 20% lighter version of the original color is **76.1662, 75.9565, 105.2544**, and **21.4384, 19.2476, 43.6595** is the 20% darker color. If you saturate the color by 10%, you get **37.1952, 32.2532, 80.6098**, and if you desaturate by 10%, it is **55.1224, 54.1340, 83.8883**.

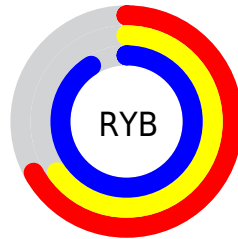
Distribution



Red (67%)

Green (65%)

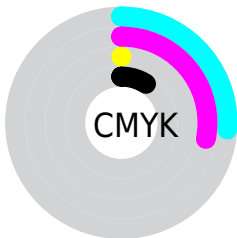
Blue (91%)



Red (67%)

Yellow (65%)

Blue (91%)

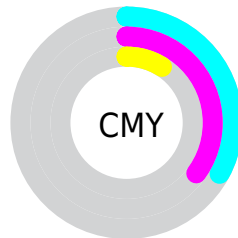


Cyan (26%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3975, 42.2343, 82.1033 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 45.3975, 42.2343, 82.1033 by changing the saturation by 10% instead.

■ 45.3975, 42.2343,
82.1033

■ 45.3975, 42.2343,
82.1033

359.1377,
355.4533, 521.8857

■ 31.9732, 29.2848,
60.9144

■ 82.5500, 78.5541,
138.1568

■ 21.4965, 19.2964,
43.7260

■ 107.0089,
102.6932, 173.8585

■ 13.6019, 11.8846,
30.1195

135.8768,
131.3309, 215.2349

■ 7.9242, 6.6652,
19.6765

169.5190,
164.8517, 262.7045

■ 4.0979, 3.2536,
11.9784

208.3008,
203.6400, 316.6858

■ 1.7576, 1.2655,
6.6066

252.5876,

■ 0.4920, 0.1143,

248.0800, 377.5974

3.1426

302.7448,
298.5564, 445.8579

■ 0.0000, 0.0000,
1.1679

■ 0.0000, 0.0000,
0.0000

■ 45.3975, 42.2343,
82.1033

■ 45.3975, 42.2343,
82.1033

■ 37.1952, 32.2532,
80.6098

■ 55.1224, 54.1340,
83.8883

■ 30.4343, 24.0854,
79.3896

■ 66.4372, 68.0401,
85.9761

■ 25.0324, 17.6232,
78.4270

■ 79.4103, 84.0411,
88.3809

■ 20.8972, 12.7456,
77.7034

■ 91.5656, 98.6063,
90.5516

■ 17.9246, 9.3154,
77.1980

■ 15.9940, 7.1721,
76.8861

■ 14.9485, 6.0978,
76.7338

■ 14.8122, 5.9534,
76.7131

Harmonies

Analogous

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



39.3794, 42.2343, 87.0245



45.3975, 42.2343, 82.1033



50.4108, 42.2343, 66.7522

Triad

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



45.3975, 42.2343, 82.1033



46.8566, 42.2343, 23.7928



29.7775, 42.2343, 43.8216

Complementary

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



45.3975, 42.2343, 82.1033



67.5113, 76.8351, 47.8334

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.



31.3727, 42.2343, 30.0464



45.3975, 42.2343, 82.1033



40.9153, 42.2343, 20.4338

Square

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



45.3975, 42.2343, 82.1033



51.3099, 42.2343, 33.0068



35.3094, 42.2343, 22.4034



30.7257, 42.2343, 61.9869

Rectangle

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



45.3975, 42.2343, 82.1033



52.3036, 42.2343, 54.2814



35.3094, 42.2343, 22.4034



30.0295, 42.2343, 38.5819

Sweetspot

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



45.3989, 42.2360, 82.1043



82.2922, 84.2697, 106.5362



58.1548, 69.3464, 86.6648



17.1324, 17.4445, 22.7141



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.



45.3989, 42.2360, 82.1043



49.7803, 44.4465, 100.5631



53.2418, 46.2791, 82.4713



13.6850, 13.9399, 18.1137



8.2631, 3.3257, 42.5896



0.6466, 0.2643, 3.1489

Inverse Universe

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



60.9637, 50.3408, 79.1778



72.2928, 56.1741, 96.1090



58.3817, 72.1286, 47.4061



14.9448, 14.5951, 17.9095



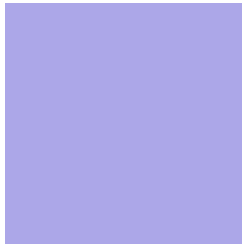
25.2457, 12.2325, 36.5182



1.8799, 0.9097, 2.7740

Previews

White Background



This preview shows how the XYZ color 45.3975, 42.2343, 82.1033 looks on a white background.

Color Contrast Check

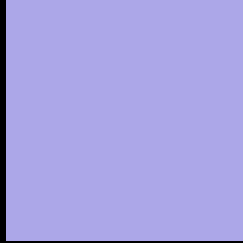
Large Text (above 18pt) WCAG AA × Fail

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 45.3975, 42.2343, 82.1033 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 45.3975, 42.2343, 82.1033

Background



This preview shows how black text looks on a background with the XYZ color 45.3975, 42.2343, 82.1033.



This preview shows how white text looks on a background with the XYZ color 45.3975, 42.2343,

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

45.3975, 42.2343, 82.1033

Protanopia

43.2655, 42.4718, 84.5148

Deuteranopia

43.2848, 42.2663, 81.4782



Tritanopia

39.8251, 42.2266, 54.1956

Trichromacy



Original Color

45.3975, 42.2343, 82.1033

Protanomaly

43.9240, 42.2670, 83.6852

Deuteranomaly

44.1084, 42.4115, 81.4628

Tritanomaly

41.7083, 42.1283, 63.6909

Monochromacy



Original Color

45.3975, 42.2343, 82.1033

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.5866, 42.9866, 58.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3975, 42.2343, 82.1033 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, 167, 232)` looks like.

```
.text, #text, p{  
    color:rgb(172, 167, 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, 167, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 167, 232) }
```

Border

The CSS property to change the border of an element to XYZ 45.3975, 42.2343, 82.1033 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, 167, 232) }
```


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

```
.border{ border-color:rgb(172, 167, 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, 167, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 167, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 167, 232);  
box-shadow:4px 4px 4px 4px rgb(172, 167,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3975, 42.2343, 82.1033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 167, 232) }
```

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

```
.background{ background-color: rgb(172,  
167, 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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