

Converting Colors

XYZ(45.8017, 42.7157, 82.1749)

Have a look what the booklet for
XYZ(45.8017, 42.7157, 82.1749)
contains.

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Color

**XYZ(45.8017, 42.7157,
82.1749)**

Conversions

Conversions Part 1

Format	Color
Hex	ADA8E8
RGB	173, 168, 232
RGB Percent	68%, 66%, 91%
CMY	0.3216, 0.3412, 0.0902
CMYK	0.25, 0.28, 0.00, 0.09
HSL	245°, 58%, 78%
HSV	245°, 28%, 91%
XYZ	45.8017, 42.7157, 82.1749
YIQ	176.7910, -17.5640, 20.9640

Conversions

Conversions Part 2

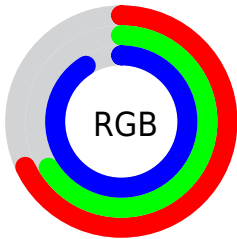
Format	Color
R_{YB}	173, 168, 232
Decimal	11380968
CIE _{Lab}	71.36, 15.44, -31.47
CIE _{LCh}	71, 35.052, 296.135
Yxy	42.7157, 0.2683, 0.2502
Android (android.graphics.Color)	4289571048 (0xFFADA8E8)
YUV	176.7910, 27.2180, -3.3247
Hunter-Lab	65.3572, 10.7158, -28.7964

Details

The XYZ color **45.8017, 42.7157, 82.1749** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.6042, 76.8723, 48.3222**, and the grayscale version is **41.5499, 43.7137, 47.6043**.

A 20% lighter version of the original color is **76.7508, 76.6534, 105.3581**, and **21.6896, 19.5473, 43.7041** is the 20% darker color. If you saturate the color by 10%, you get **37.5380, 32.6554, 80.6693**, and if you desaturate by 10%, it is **55.5894, 54.6979, 83.9725**.

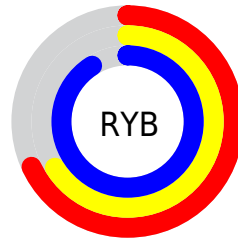
Distribution



Red (68%)

Green (66%)

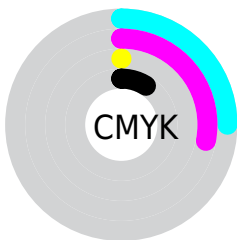
Blue (91%)



Red (68%)

Yellow (66%)

Blue (91%)

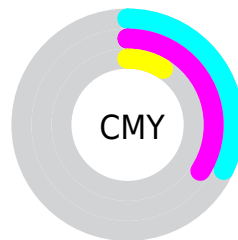


Cyan (25%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (32%)

Magenta (34%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8017, 42.7157, 82.1749 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 45.8017, 42.7157, 82.1749 by changing the saturation by 10% instead.

■ 45.8017, 42.7157,
82.1749

■ 45.8017, 42.7157,
82.1749

360.7402,
357.4413, 522.1313

■ 32.2933, 29.6621,
60.9731

■ 83.1518, 79.2817,
138.2581

■ 21.7423, 19.5823,
43.7730

■ 107.7243,
103.5628, 173.9766

■ 13.7832, 12.0918,
30.1562

136.7155,
132.3553, 215.3710

■ 8.0507, 6.8062,
19.7041

170.4908,
166.0435, 262.8599

■ 4.1795, 3.3412,
11.9982

209.4156,
205.0118, 316.8619

■ 1.8042, 1.3124,
6.6199

253.8552,

■ 0.5202, 0.1507,

249.6446, 377.7954

3.1508

304.1749,
300.3263, 446.0790

■ 0.0000, 0.0000,
1.1721

■ 0.0000, 0.0000,
0.0000

■ 45.8017, 42.7157,
82.1749

■ 45.8017, 42.7157,
82.1749

■ 37.5380, 32.6554,
80.6693

■ 55.5894, 54.6979,
83.9725

■ 30.7174, 24.4119,
79.4377

■ 66.9680, 68.6892,
86.0734

■ 25.2581, 17.8783,
78.4643

■ 80.0055, 84.7781,
88.4917

■ 21.0683, 12.9341,
77.7308

■ 91.5656, 98.6063,
90.5516

■ 18.0448, 9.4430,
77.2163

■ 16.0682, 7.2459,
76.8964

■ 14.9864, 6.1335,
76.7387

■ 14.8174, 5.9560,
76.7134

Harmonies

Analogous

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



39.8406, 42.7157, 87.0107



45.8017, 42.7157, 82.1749



50.7607, 42.7157, 67.0516

Triad

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



45.8017, 42.7157, 82.1749



47.2512, 42.7157, 24.4226



30.3061, 42.7157, 44.3556

Complementary

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



45.8017, 42.7157, 82.1749



67.6042, 76.8723, 48.3222

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.



31.8946, 42.7157, 30.6613



45.8017, 42.7157, 82.1749



41.3690, 42.7157, 21.0534

Square

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



45.8017, 42.7157, 82.1749



51.6528, 42.7157, 33.6233



35.8078, 42.7157, 23.0256



31.2484, 42.7157, 62.3292

Rectangle

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



45.8017, 42.7157, 82.1749



52.6321, 42.7157, 54.7331



35.8078, 42.7157, 23.0256



30.5574, 42.7157, 39.1550

Sweetspot

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



45.8031, 42.7174, 82.1759



82.3003, 84.2739, 106.5365



58.3853, 69.4923, 86.6808



17.1344, 17.4455, 22.7142



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.



45.8031, 42.7174, 82.1759



50.8127, 45.6861, 100.7479



53.5445, 46.7082, 82.5382



13.6866, 13.9407, 18.1138



8.2664, 3.3274, 42.5897



0.6474, 0.2647, 3.1489

Inverse Universe

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



61.1477, 50.7087, 79.2393



72.7841, 57.1330, 96.3459



58.6214, 72.2414, 47.9019



14.9440, 14.5948, 17.9054



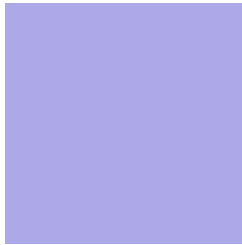
25.2262, 12.2247, 36.4160



1.8787, 0.9092, 2.7675

Previews

White Background



This preview shows how the XYZ color 45.8017, 42.7157, 82.1749 looks on a white background.

Color Contrast Check

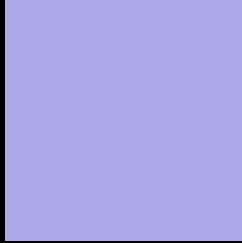
Large Text (above 18pt) WCAG AA × Fail

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 45.8017, 42.7157, 82.1749 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 45.8017, 42.7157, 82.1749

Background



This preview shows how black text looks on a background with the XYZ color 45.8017, 42.7157, 82.1749.



This preview shows how white text looks on a background with the XYZ color 45.8017, 42.7157,

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

45.8017, 42.7157, 82.1749

Protanopia

43.6525, 42.6713, 84.5329

Deuteranopia

43.8743, 42.8516, 81.5601



Tritanopia

40.3366, 42.7677, 54.8442

Trichromacy



Original Color

45.8017, 42.7157, 82.1749

Protanomaly

44.5184, 42.8529, 83.7670

Deuteranomaly

44.5038, 42.8947, 81.5352

Tritanomaly

42.1115, 42.6197, 63.7645

Monochromacy



Original Color

45.8017, 42.7157, 82.1749

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.1186, 43.5334, 58.9535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8017, 42.7157, 82.1749 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(173, 168, 232)` looks like.

```
.text, #text, p{  
    color:rgb(173, 168, 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(173, 168, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 168, 232) }
```

Border

The CSS property to change the border of an element to XYZ 45.8017, 42.7157, 82.1749 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(173, 168, 232) }
```


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

```
.border{ border-color:rgb(173, 168, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 168, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 168, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 168, 232); box-shadow:4px 4px 4px 4px rgb(173, 168, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8017, 42.7157, 82.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 168, 232) }
```

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

```
.background{ background-color: rgb(173,  
168, 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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