

Converting Colors

XYZ(50.7346, 46.3207, 84.8469)

Have a look what the booklet for
XYZ(50.7346, 46.3207, 84.8469)
contains.

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Color

**XYZ(50.7342, 46.3220,
84.8643)**

Conversions

Conversions Part 1

Format	Color
Hex	BDACEB
RGB	189, 172, 235
RGB Percent	74%, 67%, 92%
CMY	0.2588, 0.3255, 0.0784
CMYK	0.20, 0.27, 0.00, 0.08
HSL	256°, 61%, 80%
HSV	256°, 27%, 92%
XYZ	50.7342, 46.3220, 84.8643
YIQ	184.2650, -10.0910, 23.1970

Conversions

Conversions Part 2

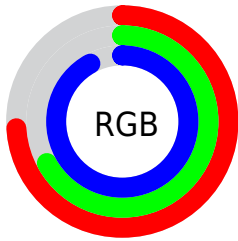
Format	Color
RYB	189, 172, 235
Decimal	12430571
CIELab	73.75, 18.72, -29.31
CIELCh	74, 34.778, 302.571
Yxy	46.3220, 0.2789, 0.2546
Android (android.graphics.Color)	4290620651 (0xFFBDACEB)
YUV	184.2650, 25.0124, 4.1526
Hunter-Lab	68.0603, 13.9539, -26.2865

Details

The XYZ color **50.7342, 46.3220, 84.8643** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.0695, 77.3017, 50.4701**, and the grayscale version is **45.5777, 47.9513, 52.2190**.

A 20% lighter version of the original color is **83.5251, 81.7510, 105.9850**, and **24.8448, 21.8385, 45.5536** is the 20% darker color. If you saturate the color by 10%, you get **42.6436, 36.0894, 83.3164**, and if you desaturate by 10%, it is **60.1222, 58.3996, 86.7015**.

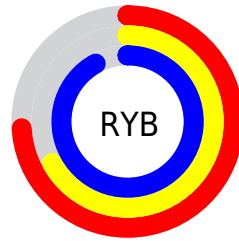
Distribution



Red (74%)

Green (67%)

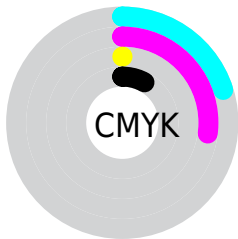
Blue (92%)



Red (74%)

Yellow (67%)

Blue (92%)

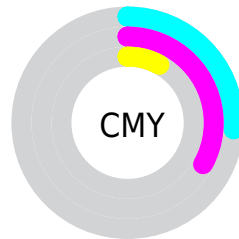


Cyan (20%)

Magenta (27%)

Yellow (0%)

Black (8%)



Cyan (26%)

Magenta (33%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7342, 46.3220, 84.8643 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 50.7342, 46.3220, 84.8643 by changing the saturation by 10% instead.

■ 50.7342, 46.3220,
84.8643

■ 50.7342, 46.3220,
84.8643

379.9349,
372.1017, 531.3118

■ 36.2173, 32.5000,
63.1798

■ 90.4471, 84.7007,
142.0560

■ 24.7730, 21.7437,
45.5447

116.3738,
110.0262, 178.4003

■ 16.0358, 13.6687,
31.5406

146.8345,
139.9549, 220.4683

■ 9.6405, 7.8906,
20.7490

182.1945,
174.8714, 268.6784

■ 5.2217, 4.0250,
12.7512

222.8192,
215.1598, 323.4493

■ 2.4140, 1.6876,
7.1287

269.0739,

■ 0.8521, 0.4156,

261.2048, 385.1995

3.4631

321.3240,
313.3906, 454.3475

■ 0.0000, 0.0000,
1.3357

■ 0.0000, 0.0000,
0.0908

■ 50.7342, 46.3220,
84.8643

■ 50.7342, 46.3220,
84.8643

■ 42.6436, 36.0894,
83.3164

■ 60.1222, 58.3996,
86.7015

■ 35.7868, 27.6038,
82.0399

■ 70.8584, 72.4023,
88.8384

■ 30.1012, 20.7666,
81.0198

■ 82.9961, 88.4123,
91.2889

■ 25.5169, 15.4668,
80.2385

■ 91.9955, 98.7782,
92.8154

■ 21.9556, 11.5795,
79.6759

■ 19.3279, 8.9591,
79.3086

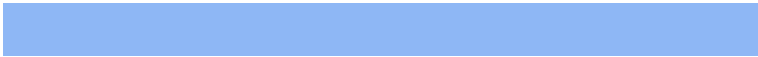
■ 17.5234, 7.4223,
79.1071

■ 17.0718, 7.0686,
79.0626

Harmonies

Analogous

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



44.5625, 46.3220, 92.6060



50.7342, 46.3220, 84.8643



55.4299, 46.3220, 67.7790

Triad

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



50.7342, 46.3220, 84.8643



49.7269, 46.3220, 25.8744



33.1992, 46.3220, 51.9777

Complementary

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



50.7342, 46.3220, 84.8643



66.0695, 77.3017, 50.4701

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.



34.3073, 46.3220, 36.3379



50.7342, 46.3220, 84.8643



43.4972, 46.3220, 23.5217

Square

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



50.7342, 46.3220, 84.8643



54.8112, 46.3220, 34.2556



37.9398, 46.3220, 26.8643



34.7603, 46.3220, 71.0478

Rectangle

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



50.7342, 46.3220, 84.8643



56.8825, 46.3220, 54.9626



37.9398, 46.3220, 26.8643



33.2719, 46.3220, 46.1665

Sweetspot

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



50.7357, 46.3239, 84.8653



83.6146, 84.9514, 106.5980



57.1334, 65.0168, 88.1363



17.4628, 17.6148, 22.7296



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.



50.7357, 46.3239, 84.8653



55.6844, 48.9187, 101.1151



59.3554, 50.7675, 85.2687



14.6125, 14.7455, 18.9983



9.6052, 3.9876, 44.0064



0.8435, 0.3591, 3.4597

Inverse Universe

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



61.6697, 52.2309, 73.1624



70.9657, 57.1829, 84.3740



57.5763, 72.9233, 50.0727



15.5313, 15.2404, 18.0830



23.2461, 11.5011, 22.8951



1.8652, 0.9190, 2.0073

Previews

White Background



This preview shows how the XYZ color 50.7342, 46.3220, 84.8643 looks on a white background.

Color Contrast Check

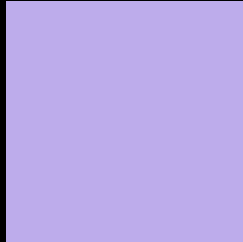
Large Text (above 18pt) WCAG AA × Fail

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 50.7342, 46.3220, 84.8643 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 50.7342, 46.3220, 84.8643

Background



This preview shows how black text looks on a background with the XYZ color 50.7342, 46.3220, 84.8643.



This preview shows how white text looks on a background with the XYZ color 50.7342, 46.3220,

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

50.7342, 46.3220, 84.8643

Protanopia

47.1581, 46.4240, 88.9133

Deuteranopia

47.5663, 46.4392, 84.2986



Tritanopia

45.3503, 46.4826, 57.6208

Trichromacy



Original Color

50.7342, 46.3220, 84.8643

Protanomaly

48.1915, 46.1080, 87.2487

Deuteranomaly

48.7367, 46.4562, 84.2401

Tritanomaly

47.2383, 46.3620, 66.7806

Monochromacy



Original Color

50.7342, 46.3220, 84.8643

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.3505, 47.3934, 63.1521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7342, 46.3220, 84.8643 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(189, 172, 235)` looks like.

```
.text, #text, p{  
    color:rgb(189, 172, 235)  
}
```

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(189, 172, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 172, 235) }
```

Border

The CSS property to change the border of an element to XYZ 50.7342, 46.3220, 84.8643 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(189, 172, 235) }
```


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

```
.border{ border-color:rgb(189, 172, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 172, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 172, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 172, 235);  
box-shadow:4px 4px 4px 4px rgb(189, 172,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7342, 46.3220, 84.8643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 172, 235) }
```

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

```
.background{ background-color: rgb(189,  
172, 235) }
```

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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