

Converting Colors

XYZ(46.2079, 43.3214, 64.7933)

Have a look what the booklet for
XYZ(46.2079, 43.3214, 64.7933)
contains.

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Color

**XYZ(46.2514, 43.3291,
64.9571)**

Conversions

Conversions Part 1

Format	Color
Hex	BDA8CF
RGB	189, 168, 207
RGB Percent	74%, 66%, 81%
CMY	0.2588, 0.3412, 0.1882
CMYK	0.09, 0.19, 0.00, 0.19
HSL	272°, 29%, 74%
HSV	272°, 19%, 81%
XYZ	46.2514, 43.3291, 64.9571
YIQ	178.7250, -0.0030, 16.5810

Conversions

Conversions Part 2

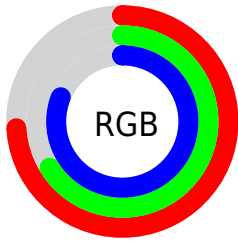
Format	Color
RYB	189, 168, 207
Decimal	12429519
CIELab	71.78, 14.92, -17.02
CIELCh	72, 22.640, 311.241
Yxy	43.3291, 0.2993, 0.2804
Android (android.graphics.Color)	4290619599 (0xFFBDA8CF)
YUV	178.7250, 13.9396, 9.0112
Hunter-Lab	65.8248, 10.2284, -12.4310

Details

The XYZ color **46.2514, 43.3291, 64.9571** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.6319, 57.8930, 45.6065**, and the grayscale version is **42.6308, 44.8509, 48.8426**.

A 20% lighter version of the original color is **82.0939, 79.4078, 105.6082**, and **21.9868, 19.9416, 32.8273** is the 20% darker color. If you saturate the color by 10%, you get **40.4377, 35.1043, 63.6766**, and if you desaturate by 10%, it is **52.8322, 52.8547, 66.4495**.

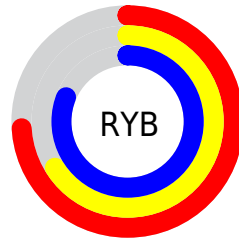
Distribution



Red (74%)

Green (66%)

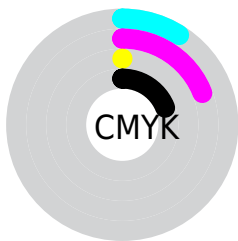
Blue (81%)



Red (74%)

Yellow (66%)

Blue (81%)

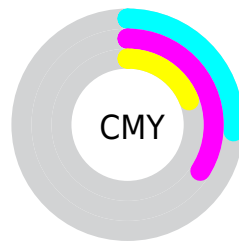


Cyan (9%)

Magenta (19%)

Yellow (0%)

Black (19%)



Cyan (26%)


Magenta (34%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2514, 43.3291, 64.9571 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 46.2514, 43.3291, 64.9571 by changing the saturation by 10% instead.


 46.2514, 43.3291,
64.9571


 46.2514, 43.3291,
64.9571


362.5175,
359.9634, 460.9398

 32.6497, 30.1434,
46.9752


 83.8207, 80.2072,
113.6009

 22.0162, 19.9475,
32.6618


 108.5190,
104.6685, 145.0998

 13.9855, 12.3569,
21.5985


137.6469,
133.6571, 181.9414

 8.1922, 6.9872,
13.3667

171.5697,
167.5574, 224.5444

 4.2710, 3.4541,
7.5479

210.6528,
206.7537, 273.3271

 1.8566, 1.3732,
3.7234

255.2616,

 0.5514, 0.1968,

251.6306, 328.7083

1.4749

305.7613,
302.5724, 391.1063

■ 0.0000, 0.0000,
0.1991

■ 0.0000, 0.0000,
0.0000

■ 46.2514, 43.3291,
64.9571

■ 46.2514, 43.3291,
64.9571

■ 40.4377, 35.1043,
63.6766

■ 52.8322, 52.8547,
66.4495

■ 35.3554, 28.1159,
62.5956

■ 60.2059, 63.7306,
68.1602

■ 30.9718, 22.3019,
61.7044

■ 68.4018, 76.0107,
70.0985

■ 27.2497, 17.5929,
60.9917

■ 77.4465, 89.7440,
72.2726

■ 24.1482, 13.9118,
60.4446

■ 81.8720, 93.9906,
72.8590

■ 21.6211, 11.1713,
60.0488

■ 85.1437, 95.6772,
73.0121

■ 19.6143, 9.2684,
59.7873

■ 88.2626, 97.2850,
73.1581

■ 18.0432, 8.0393,
59.6329

■ 17.8759, 7.9143,
59.6176

Harmonies

Analogous

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



42.6410, 43.3291, 71.1409



46.2514, 43.3291, 64.9571



48.5874, 43.3291, 54.3200

Triad

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



46.2514, 43.3291, 64.9571



43.6066, 43.3291, 29.8356



34.3491, 43.3291, 51.4267

Complementary

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



46.2514, 43.3291, 64.9571



49.6319, 57.8930, 45.6065

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.



34.5719, 43.3291, 40.6912



46.2514, 43.3291, 64.9571



39.7587, 43.3291, 29.3092

Square

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



46.2514, 43.3291, 64.9571



46.9960, 43.3291, 34.5516



36.4991, 43.3291, 32.9808



35.8702, 43.3291, 62.5574

Rectangle

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



46.2514, 43.3291, 64.9571



49.0253, 43.3291, 46.7211



36.4991, 43.3291, 32.9808



34.2251, 43.3291, 47.6379

Sweetspot

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



46.2527, 43.3309, 64.9581



87.8113, 89.3088, 107.2179



45.0136, 48.0337, 65.9311



18.6327, 18.8772, 22.9116



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.



46.2527, 43.3309, 64.9581



69.8415, 63.3404, 103.1526



50.8401, 45.7141, 64.3465



11.7630, 11.7266, 14.8871



11.3729, 5.0432, 37.5665



0.7269, 0.3289, 2.1047

Inverse Universe

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



48.5991, 44.8177, 52.5456



74.4350, 66.2484, 78.9736



45.6525, 55.8274, 46.0556



12.0325, 11.8977, 13.4468



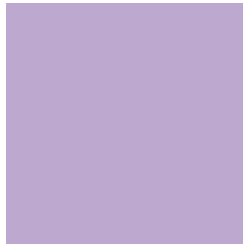
17.5761, 8.9033, 7.9399



1.0226, 0.5138, 0.6538

Previews

White Background



This preview shows how the XYZ color 46.2514, 43.3291, 64.9571 looks on a white background.

Color Contrast Check

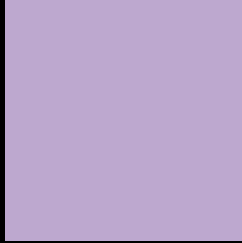
Large Text (above 18pt) WCAG AA × Fail

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 46.2514, 43.3291, 64.9571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

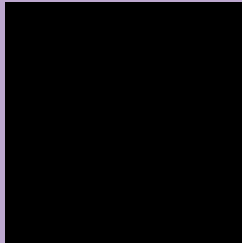
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2514, 43.3291, 64.9571

Background



This preview shows how black text looks on a background with the XYZ color 46.2514, 43.3291, 64.9571.



This preview shows how white text looks on a background with the XYZ color 46.2514, 43.3291,

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

46.2514, 43.3291, 64.9571

Protanopia

43.0424, 43.3001, 67.7172

Deuteranopia

44.2532, 43.4263, 64.4422



Tritanopia

43.7592, 43.4469, 51.9787

Trichromacy



Original Color

46.2514, 43.3291, 64.9571

Protanomaly

44.2899, 43.3883, 67.0132

Deuteranomaly

44.9949, 43.5271, 64.4226

Tritanomaly

44.6821, 43.5409, 56.5013

Monochromacy



Original Color

46.2514, 43.3291, 64.9571

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.0437, 44.4013, 54.3931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2514, 43.3291, 64.9571 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, 168, 207)` looks like.

```
.text, #text, p{  
    color:rgb(189, 168, 207)  
}
```

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, 168, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 168, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.2514, 43.3291, 64.9571 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, 168, 207) }
```


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

```
.border{ border-color:rgb(189, 168, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 168, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 168, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 168, 207);  
box-shadow:4px 4px 4px 4px rgb(189, 168,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2514, 43.3291, 64.9571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 168, 207) }
```

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

```
.background{ background-color: rgb(189,  
168, 207) }
```

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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