

Converting Colors

XYZ(42.2082, 42.8510, 59.4730)

Have a look what the booklet for
XYZ(42.2082, 42.8510, 59.4730)
contains.

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Color

**XYZ(42.1499, 42.7350,
59.4532)**

Conversions

Conversions Part 1

Format	Color
Hex	ACADC6
RGB	172, 173, 198
RGB Percent	67%, 68%, 78%
CMY	0.3255, 0.3216, 0.2235
CMYK	0.13, 0.13, 0.00, 0.22
HSL	238°, 19%, 73%
HSV	238°, 13%, 78%
XYZ	42.1499, 42.7350, 59.4532
YIQ	175.5510, -8.6210, 7.5630

Conversions

Conversions Part 2

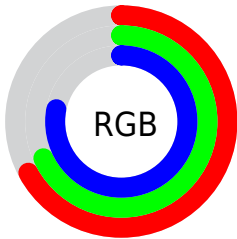
Format	Color
RYB	172, 173, 198
Decimal	11316678
CIELab	71.37, 4.68, -12.82
CIELCh	71, 13.649, 290.032
Yxy	42.7350, 0.2920, 0.2961
Android (android.graphics.Color)	4289506758 (0xFFACADC6)
YUV	175.5510, 11.0674, -3.1142
Hunter-Lab	65.3720, 0.6904, -8.1614

Details

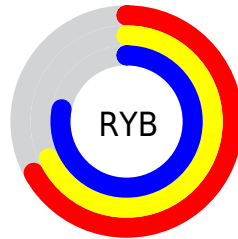
The XYZ color **42.1499, 42.7350, 59.4532** is a light color, and the websafe version is hex **999999**. A complement of this color would be **50.7017, 54.9167, 46.9585**, and the grayscale version is **40.9818, 43.1160, 46.9534**.

A 20% lighter version of the original color is **77.7883, 79.2008, 105.7951**, and **19.6171, 19.6814, 29.1505** is the 20% darker color. If you saturate the color by 10%, you get **34.7300, 33.8724, 58.1343**, and if you desaturate by 10%, it is **50.7400, 52.9752, 60.9777**.

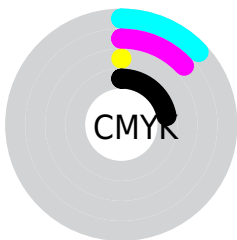
Distribution



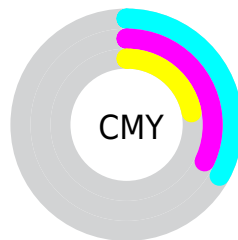
- Red (67%)
- Green (68%)
- Blue (78%)



- Red (67%)
- Yellow (68%)
- Blue (78%)



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1499, 42.7350, 59.4532 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 42.1499, 42.7350, 59.4532 by changing the saturation by 10% instead.

■ 42.1499, 42.7350,
59.4532

■ 42.1499, 42.7350,
59.4532

346.0850,
357.5208, 440.3279

■ 29.4103, 29.6772,
42.5556

■ 77.6902, 79.3108,
105.5716

■ 19.5373, 19.5937,
29.2078

101.2216,
103.5977, 135.6296

■ 12.1654, 12.1001,
18.9911

129.0810,
132.3963, 170.9115

■ 6.9295, 6.8119,
11.4871

161.6337,
166.0912, 211.8357

■ 3.4640, 3.3447,
6.2772

199.2451,
205.0667, 258.8210

■ 1.4036, 1.3142,
2.9429

242.2805,

■ 0.2588, 0.1522,

249.7072, 312.2857

1.0655

291.1054,
300.3971, 372.6485

■ 0.0000, 0.0000,
0.0000

■ 42.1499, 42.7350,
59.4532

■ 42.1499, 42.7350,
59.4532

■ 34.7300, 33.8724,
58.1343

■ 50.7400, 52.9752,
60.9777

■ 28.4260, 26.3236,
57.0095

■ 60.5437, 64.6427,
62.7130

■ 23.1851, 20.0276,
56.0705

■ 71.6071, 77.7911,
64.6678

■ 18.9486, 14.9167,
55.3073

■ 83.9727, 92.4698,
66.8494

■ 15.6524, 10.9168,
54.7089

■ 87.1932, 96.8573,
67.5265

■ 13.2247, 7.9451,
54.2633

■ 11.5835, 5.9076,
53.9565

■ 10.6310, 4.6931,
53.7723

■ 10.2760, 4.2429,
53.7041

Harmonies

Analogous

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



39.8587, 42.7350, 60.1319



42.1499, 42.7350, 59.4532



44.0977, 42.7350, 55.1371

Triad

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



42.1499, 42.7350, 59.4532



43.5215, 42.7350, 37.4958



36.4224, 42.7350, 44.3762

Complementary

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



42.1499, 42.7350, 59.4532



50.7017, 54.9167, 46.9585

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.



37.3270, 42.7350, 38.8708



42.1499, 42.7350, 59.4532



41.3875, 42.7350, 35.1534

Square

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



42.1499, 42.7350, 59.4532



44.9100, 42.7350, 42.3319



39.1243, 42.7350, 35.6319



36.6091, 42.7350, 50.9993

Rectangle

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



42.1499, 42.7350, 59.4532



44.9119, 42.7350, 50.9850



39.1243, 42.7350, 35.6319



36.6076, 42.7350, 42.3445

Sweetspot

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



42.1512, 42.7368, 59.4542



88.3473, 92.0182, 107.7126



47.2519, 53.1771, 60.4177



18.6486, 19.3844, 23.0086



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.



42.1512, 42.7368, 59.4542



70.3375, 70.5413, 104.5164



44.6418, 43.7366, 59.5159



10.0889, 10.3519, 13.3839



6.6971, 2.7880, 34.9295



0.3288, 0.1554, 1.6578

Inverse Universe

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



45.5851, 44.5290, 45.7295



77.7024, 74.4005, 75.0768



47.9640, 53.8442, 46.8958



10.6502, 10.6434, 11.1410



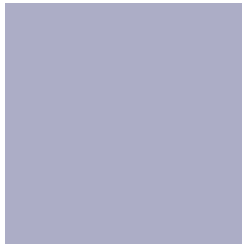
15.1797, 7.8214, 0.8902



0.7247, 0.3727, 0.0732

Previews

White Background



This preview shows how the XYZ color 42.1499, 42.7350, 59.4532 looks on a white background.

Color Contrast Check

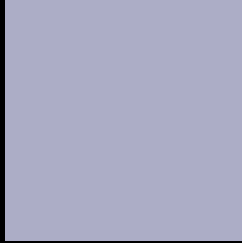
Large Text (above 18pt) WCAG AA × Fail

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 42.1499, 42.7350, 59.4532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

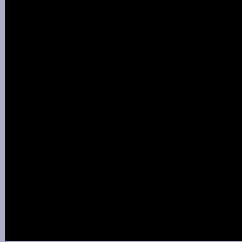
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1499, 42.7350, 59.4532

Background



This preview shows how black text looks on a background with the XYZ color 42.1499, 42.7350, 59.4532.



This preview shows how white text looks on a background with the XYZ color 42.1499, 42.7350,

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

42.1499, 42.7350, 59.4532

Protanopia

41.9312, 42.6223, 59.4430

Deuteranopia

43.5059, 42.5763, 59.9579



Tritanopia

40.9846, 42.8368, 53.6852

Trichromacy



Original Color

42.1499, 42.7350, 59.4532

Protanomaly

41.9312, 42.6223, 59.4430

Deuteranomaly

43.0032, 42.5965, 59.9883

Tritanomaly

41.4451, 42.7358, 55.9336

Monochromacy



Original Color

42.1499, 42.7350, 59.4532

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.6609, 43.2346, 51.4967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1499, 42.7350, 59.4532 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, 173, 198)` looks like.

```
.text, #text, p{  
    color:rgb(172, 173, 198)  
}
```

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, 173, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 173, 198) }
```

Border

The CSS property to change the border of an element to XYZ 42.1499, 42.7350, 59.4532 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, 173, 198) }
```


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

```
.border{ border-color:rgb(172, 173, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 173, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 173, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 173, 198);  
box-shadow:4px 4px 4px 4px rgb(172, 173,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1499, 42.7350, 59.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 173, 198) }
```

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

```
.background{ background-color: rgb(172,  
173, 198) }
```

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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