

Converting Colors

XYZ(42.3338, 59.5444, 9.2620)

Have a look what the booklet for
XYZ(42.3338, 59.5444, 9.2620)
contains.

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Color

**XYZ(42.3448, 59.4337,
9.2400)**

Conversions

Conversions Part 1

Format	Color
Hex	ACDB00
RGB	172, 219, 0
RGB Percent	67%, 86%, 0%
CMY	0.3255, 0.1412, 0.9999
CMYK	0.21, 0.00, 1.00, 0.14
HSL	73°, 100%, 43%
HSV	73°, 100%, 86%
XYZ	42.3448, 59.4337, 9.2400
YIQ	179.9810, 42.2870, -78.0730

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 47
Decimal	11328256
CIELab	81.53, -38.51, 80.27
CIELCh	82, 89.025, 115.630
Yxy	59.4337, 0.3814, 0.5353
Android (android.graphics.Color)	4289518336 (0xFFACDB00)
YUV	179.9810, -88.7306, -6.9993
Hunter-Lab	77.0933, -36.8690, 46.8591

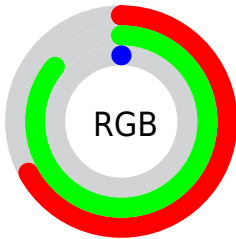
Details

The XYZ color **42.3448, 59.4337, 9.2400** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **13.9609, 5.7204, 67.3897**, and the grayscale version is **43.8209, 46.1030, 50.2062**.

A 20% lighter version of the original color is **70.7590, 89.3639, 22.5364**, and **20.2149, 30.1283, 4.7499** is the 20% darker color. If you saturate the color by 10%, you get **42.3448, 59.4357, 9.2404**, and if you desaturate by 10%, it is **43.5403, 60.0354, 10.0485**.

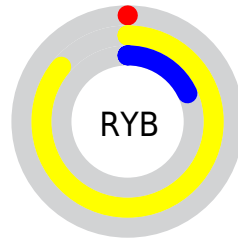
Distribution



Red (67%)

Green (86%)

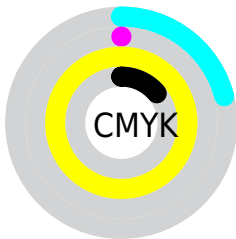
Blue (0%)



Red (0%)

Yellow (86%)

Blue (18%)

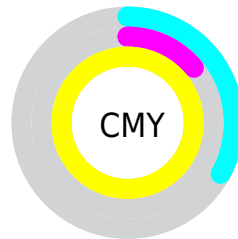


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (33%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3448, 59.4337, 9.2400 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 42.3448, 59.4337, 9.2400 by changing the saturation by 10% instead.


 42.3448, 59.4337,
9.2400


 42.3448, 59.4337,
9.2400


346.8776,
422.5072, 195.4418


 29.5637, 42.9623,
4.7991


 77.9831, 104.0077,
24.9409


 19.6541, 29.8556,
2.0732


 101.5710,
132.8792, 37.0380

 12.2506, 19.7290,
0.5998


 129.4918,
166.6528, 52.5243

 6.9880, 12.1982,
0.0000

 162.1109,
205.7130, 71.8183

 3.5009, 6.8788,
0.0000

 199.7937,
250.4442, 95.3384

 1.4238, 3.3864,
0.0000

 242.9055,

 0.2731, 1.3366,

301.2307, 123.5034

0.0000

291.8117,
358.4569, 156.7317

■ 0.0000, 0.1693,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3448, 59.4337,
9.2400

■ 42.3448, 59.4337,
9.2400

■ 42.3448, 59.4357,
9.2404

■ 43.5403, 60.0354,
10.0485

■ 44.9347, 60.7187,
11.7175

■ 46.5829, 61.5079,
14.5294

■ 48.5156, 62.4151,
18.6424

■ 50.7582, 63.4508,
24.1898

■ 53.3334, 64.6239,
31.2885

■ 56.2613, 65.9425,
40.0431

■ 59.5604, 67.4142,
50.5495

■ 63.2480, 69.0457,
62.8959

Harmonies

Analogous

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



59.2690, 59.4337, 6.8099



42.3448, 59.4337, 9.2400



31.7436, 59.4337, 22.3034

Triad

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



42.3448, 59.4337, 9.2400



38.5552, 59.4337, 192.0231



100.3618, 59.4337, 72.8654

Complementary

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



42.3448, 59.4337, 9.2400



13.9609, 5.7204, 67.3897

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.



91.5921, 59.4337, 141.8074



42.3448, 59.4337, 9.2400



53.7991, 59.4337, 230.8147

Square

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



42.3448, 59.4337, 9.2400



29.9175, 59.4337, 120.1304



73.4791, 59.4337, 208.6540



95.4185, 59.4337, 29.6585

Rectangle

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



42.3448, 59.4337, 9.2400



28.3686, 59.4337, 42.4091



73.4791, 59.4337, 208.6540



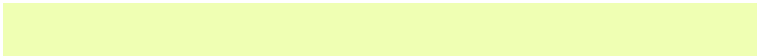
98.8752, 59.4337, 93.7208

Sweetspot

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



42.3462, 59.4364, 9.2413



79.3007, 93.0319, 56.1605



30.1092, 16.8491, 1.6660



16.5853, 19.7382, 10.8388



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.



42.3462, 59.4364, 9.2413



59.6495, 83.8355, 13.0380



27.5610, 51.8143, 8.5493



13.8744, 15.1155, 13.9119



25.2027, 35.2900, 5.4833



1.7023, 2.3221, 0.3585

Inverse Universe

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



13.9609, 5.7204, 67.3897



19.6112, 8.0248, 95.1231



25.9829, 11.9180, 67.9523



12.5987, 12.7512, 16.4493



8.3525, 3.4301, 39.9602



0.6145, 0.2600, 2.5923

Previews

White Background



This preview shows how the XYZ color 42.3448, 59.4337, 9.2400 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 42.3448, 59.4337, 9.2400 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 42.3448, 59.4337, 9.2400

Background



This preview shows how black text looks on a background with the XYZ color 42.3448, 59.4337, 9.2400.



This preview shows how white text looks on a background with the XYZ color 42.3448, 59.4337,

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

42.3448, 59.4337, 9.2400

Protanopia

53.3508, 59.2059, 8.6160

Deuteranopia

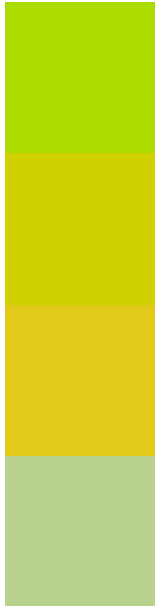
60.4726, 59.1125, 10.2301



Tritanopia

55.9970, 59.4294, 76.2298

Trichromacy



Original Color

42.3448, 59.4337, 9.2400

Protanomaly

48.8129, 59.0108, 8.8175

Deuteranomaly

52.3473, 58.3188, 9.4174

Tritanomaly

47.3013, 57.6847, 33.4522

Monochromacy



Original Color

42.3448, 59.4337, 9.2400

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

40.5178, 49.1685, 23.5746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3448, 59.4337, 9.2400 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, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 219, 0)  
}
```

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, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.3448, 59.4337, 9.2400 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, 219, 0) }
```


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

```
.border{ border-color:rgb(172, 219, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3448, 59.4337, 9.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 219, 0) }
```

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

```
.background{ background-color: rgb(172,  
219, 0) }
```

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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