

Converting Colors

XYZ(40.9703, 59.8384, 9.3906)

Have a look what the booklet for
XYZ(40.9703, 59.8384, 9.3906)
contains.

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Color

**XYZ(41.0216, 59.9239,
9.4044)**

Conversions

Conversions Part 1

Format	Color
Hex	A2DE00
RGB	162, 222, 0
RGB Percent	64%, 87%, 0%
CMY	0.3647, 0.1294, 0.9999
CMYK	0.27, 0.00, 1.00, 0.13
HSL	76°, 100%, 44%
HSV	76°, 100%, 87%
XYZ	41.0216, 59.9239, 9.4044
YIQ	178.7520, 35.5020, -81.7620

Conversions

Conversions Part 2

Format	Color
RYB	0, 222, 60
Decimal	10673664
CIELab	81.80, -43.68, 80.21
CIELCh	82, 91.331, 118.572
Yxy	59.9239, 0.3717, 0.5430
Android (android.graphics.Color)	4288863744 (0xFFA2DE00)
YUV	178.7520, -88.1247, -14.6915
Hunter-Lab	77.4105, -40.8772, 46.9844

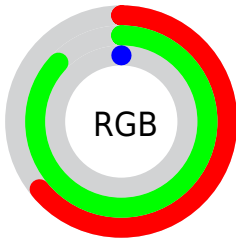
Details

The XYZ color **41.0216, 59.9239, 9.4044** 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 **15.0513, 6.2365, 69.5212**, and the grayscale version is **43.1600, 45.4077, 49.4490**.

A 20% lighter version of the original color is **67.6045, 87.7377, 22.3888**, and **19.4122, 30.5210, 4.8680** is the 20% darker color. If you saturate the color by 10%, you get **41.0212, 59.9257, 9.4048**, and if you desaturate by 10%, it is **42.4183, 60.6289, 10.2376**.

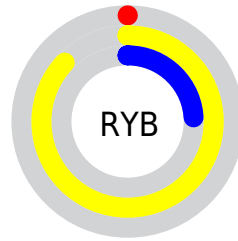
Distribution



Red (64%)

Green (87%)

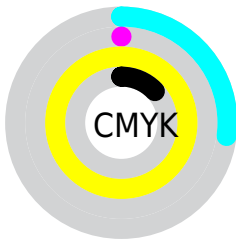
Blue (0%)



Red (0%)

Yellow (87%)

Blue (24%)

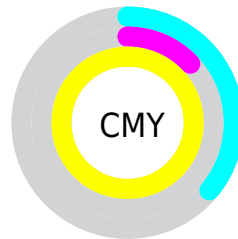


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (36%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0216, 59.9239, 9.4044 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 41.0216, 59.9239, 9.4044 by changing the saturation by 10% instead.


 41.0216, 59.9239,
9.4044


 41.0216, 59.9239,
9.4044


341.4719,
424.3172, 196.6945

 28.5237, 43.3573,
4.9055


 75.9912, 104.7193,
25.2591

 18.8633, 30.1656,
2.1341


 99.1936, 133.7168,
37.4520

 11.6749, 19.9643,
0.6360


 126.6949,
167.6268, 53.0466

 6.5934, 12.3691,
0.0000

 158.8604,
206.8336, 72.4615

 3.2532, 6.9956,
0.0000

 196.0555,
251.7217, 96.1151

 1.2890, 3.4593,
0.0000

 238.6455,

 0.1750, 1.3760,

302.6754, 124.4262

0.0000

286.9959,
360.0791, 157.8131

■ 0.0000, 0.1989,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0216, 59.9239,
9.4044

■ 41.0216, 59.9239,
9.4044

■ 41.0212, 59.9257,
9.4048

■ 42.4183, 60.6289,
10.2376

■ 44.0414, 61.4292,
11.9613

■ 45.9479, 62.3497,
14.8652

■ 48.1695, 63.4033,
19.1133

■ 50.7333, 64.6008,
24.8433

■ 53.6629, 65.9518,
32.1760

■ 56.9796, 67.4649,
41.2199

■ 60.7029, 69.1479,
52.0740

■ 64.8507, 71.0082,
64.8295

Harmonies

Analogous

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



57.8833, 59.9239, 6.2896



41.0216, 59.9239, 9.4044



30.8467, 59.9239, 24.1075

Triad

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



41.0216, 59.9239, 9.4044



39.7512, 59.9239, 203.9729



102.5593, 59.9239, 67.9245

Complementary

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



41.0216, 59.9239, 9.4044



15.0513, 6.2365, 69.5212

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.



94.7453, 59.9239, 137.6136



41.0216, 59.9239, 9.4044



56.0384, 59.9239, 238.9888

Square

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



41.0216, 59.9239, 9.4044



30.2379, 59.9239, 130.2247



76.5595, 59.9239, 209.6734



96.0462, 59.9239, 26.5411

Rectangle

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



41.0216, 59.9239, 9.4044



27.8299, 59.9239, 46.4140



76.5595, 59.9239, 209.6734



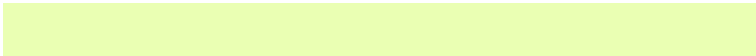
101.4938, 59.9239, 88.5887

Sweetspot

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



41.0230, 59.9266, 9.4057



77.8831, 92.3012, 56.0942



31.7013, 18.6813, 1.9358



16.2443, 19.5624, 10.8228



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.



41.0230, 59.9266, 9.4057



56.0261, 81.9676, 12.8684



27.5298, 52.9706, 8.7742



14.4915, 15.8335, 14.5992



24.4759, 35.6503, 5.5912



1.7806, 2.5144, 0.3915

Inverse Universe

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



15.0513, 6.2365, 69.5212



20.4994, 8.4827, 95.1646



29.8089, 13.8443, 70.2118



13.2980, 13.4216, 17.2774



9.0300, 3.7504, 41.2963



0.7103, 0.3034, 2.8664

Previews

White Background



This preview shows how the XYZ color 41.0216, 59.9239, 9.4044 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 41.0216, 59.9239, 9.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

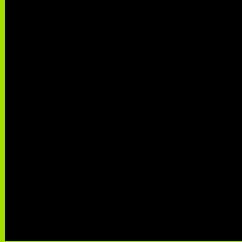
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.0216, 59.9239, 9.4044

Background



This preview shows how black text looks on a background with the XYZ color 41.0216, 59.9239, 9.4044.



This preview shows how white text looks on a background with the XYZ color 41.0216, 59.9239,

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

41.0216, 59.9239, 9.4044

Protanopia

53.6690, 59.3699, 8.6309

Deuteranopia

60.5443, 59.1411, 10.6072



Tritanopia

54.6820, 59.4154, 78.3983

Trichromacy



Original Color

41.0216, 59.9239, 9.4044

Protanomaly

48.2234, 59.0723, 8.8605

Deuteranomaly

51.3843, 58.1679, 9.6179

Tritanomaly

46.1052, 58.1539, 34.3860

Monochromacy



Original Color

41.0216, 59.9239, 9.4044

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

39.7859, 49.1294, 23.3056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0216, 59.9239, 9.4044 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(162, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 222, 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(162, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.0216, 59.9239, 9.4044 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(162, 222, 0) }
```


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

```
.border{ border-color:rgb(162, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(162, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 222,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0216, 59.9239, 9.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 222, 0) }
```

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

```
.background{ background-color: rgb(162,  
222, 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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