

Converting Colors

XYZ(40.1829, 58.3181, 9.1758)

Have a look what the booklet for
XYZ(40.1829, 58.3181, 9.1758)
contains.

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Color

**XYZ(40.2373, 58.3466,
9.1700)**

Conversions

Conversions Part 1

Format	Color
Hex	A2DB01
RGB	162, 219, 1
RGB Percent	64%, 86%, 0%
CMY	0.3647, 0.1412, 0.9960
CMYK	0.26, 0.00, 1.00, 0.14
HSL	76°, 99%, 43%
HSV	76°, 100%, 86%
XYZ	40.2373, 58.3466, 9.1700
YIQ	177.1050, 36.0060, -79.8820

Conversions

Conversions Part 2

Format	Color
RYB	1, 219, 58
Decimal	10672897
CIELab	80.93, -42.37, 79.46
CIElCh	81, 90.048, 118.070
Yxy	58.3466, 0.3734, 0.5415
Android (android.graphics.Color)	4288862977 (0xFFA2DB01)
YUV	177.1050, -86.8198, -13.2471
Hunter-Lab	76.3849, -39.6452, 46.3517

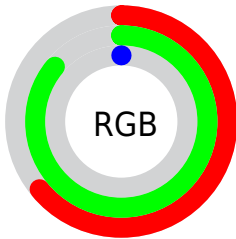
Details

The XYZ color **40.2373, 58.3466, 9.1700** 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 **14.5449, 6.0376, 67.4200**, and the grayscale version is **42.2772, 44.4789, 48.4375**.

A 20% lighter version of the original color is **67.2991, 87.5803, 22.3745**, and **18.9844, 29.4940, 4.6923** is the 20% darker color. If you saturate the color by 10%, you get **40.1784, 58.3188, 9.1390**, and if you desaturate by 10%, it is **41.5771, 59.0221, 10.0079**.

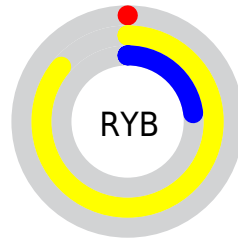
Distribution



Red (64%)

Green (86%)

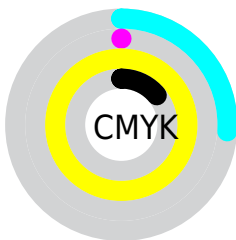
Blue (0%)



Red (0%)

Yellow (86%)

Blue (23%)

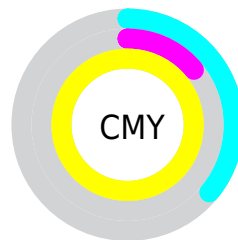


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (36%)

Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2373, 58.3466, 9.1700 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 40.2373, 58.3466, 9.1700 by changing the saturation by 10% instead.

40.2373, 58.3466,
9.1700

40.2373, 58.3466,
9.1700

338.2400,
418.4762, 194.9056

27.9086, 42.0874,
4.7539

74.8068, 102.4274,
24.8051

18.3969, 29.1697,
2.0474

97.7783, 131.0178,
36.8612

11.3367, 19.2092,
0.5842

125.0282,
164.4873, 52.3011

6.3628, 11.8216,
0.0000

156.9217,
203.2204, 71.5432

3.1096, 6.6223,
0.0000

193.8244,
247.6014, 95.0062

1.2120, 3.2270,
0.0000

236.1014,

0.1158, 1.2514,

298.0148, 123.1086

0.0000

284.1181,
354.8449, 156.2689

■ 0.0000, 0.1031,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2373, 58.3466,
9.1700

■ 40.2373, 58.3466,
9.1700

■ 40.1784, 58.3188,
9.1390

■ 41.5771, 59.0221,
10.0079

■ 43.1374, 59.7899,
11.7324

■ 44.9703, 60.6730,
14.6086

■ 47.1062, 61.6837,
18.7933

■ 49.5708, 62.8323,
24.4189

■ 52.3870, 64.1280,
31.6016

■ 55.5751, 65.5791,
40.4457

■ 59.1538, 67.1931,
51.0465

■ 63.1405, 68.9769,
63.4922

Harmonies

Analogous

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



56.6730, 58.3466, 6.2439



40.2373, 58.3466, 9.1700



30.2519, 58.3466, 23.2247

Triad

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



40.2373, 58.3466, 9.1700



38.5721, 58.3466, 196.6145



99.5672, 58.3466, 67.0508

Complementary

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



40.2373, 58.3466, 9.1700



14.5449, 6.0376, 67.4200

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.



91.7945, 58.3466, 134.7888



40.2373, 58.3466, 9.1700



54.2580, 58.3466, 231.3544

Square

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



40.2373, 58.3466, 9.1700



29.4529, 58.3466, 125.1389



74.0984, 58.3466, 204.0504



93.4945, 58.3466, 26.4236

Rectangle

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



40.2373, 58.3466, 9.1700



27.2519, 58.3466, 44.5783



74.0984, 58.3466, 204.0504



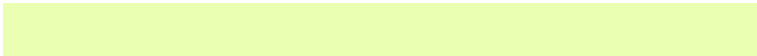
98.4574, 58.3466, 87.2095

Sweetspot

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



40.2386, 58.3492, 9.1712



78.1051, 92.4156, 56.1046



30.6117, 17.8453, 1.8606



16.2976, 19.5899, 10.8253



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.



40.2386, 58.3492, 9.1712



56.5761, 82.2511, 12.8942



26.9427, 51.4949, 8.5490



13.8126, 15.0836, 13.9090



23.9304, 34.6340, 5.4238



1.6294, 2.2845, 0.3551

Inverse Universe

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



14.5449, 6.0376, 67.4200



20.3434, 8.4023, 95.1573



28.2135, 13.0840, 68.0597



12.6564, 12.7810, 16.4521



8.6791, 3.5984, 39.9755



0.6428, 0.2747, 2.5936

Previews

White Background



This preview shows how the XYZ color 40.2373, 58.3466, 9.1700 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 40.2373, 58.3466, 9.1700 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 40.2373, 58.3466, 9.1700

Background



This preview shows how black text looks on a background with the XYZ color 40.2373, 58.3466, 9.1700.



This preview shows how white text looks on a background with the XYZ color 40.2373, 58.3466,

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

40.2373, 58.3466, 9.1700

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

58.9586, 57.6825, 10.1242



Tritanopia

53.8025, 58.2981, 76.1271

Trichromacy



Original Color

40.2373, 58.3466, 9.1700

Protanomaly

47.1845, 57.8083, 8.6712

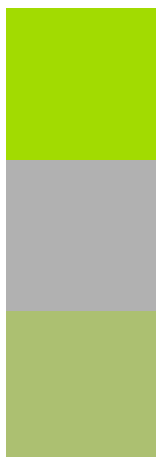
Deuteranomaly

50.2865, 56.9079, 9.3112

Tritanomaly

45.2133, 56.6083, 33.3545

Monochromacy



Original Color

40.2373, 58.3466, 9.1700

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

38.8435, 47.6622, 22.7752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2373, 58.3466, 9.1700 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, 219, 1)` looks like.

```
.text, #text, p{  
    color:rgb(162, 219, 1)  
}
```

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, 219, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 219, 1) }
```

Border

The CSS property to change the border of an element to XYZ 40.2373, 58.3466, 9.1700 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, 219, 1) }
```


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

```
.border{ border-color:rgb(162, 219, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 219, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 219, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 219, 1);  
box-shadow:4px 4px 4px 4px rgb(162, 219,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2373, 58.3466, 9.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 219, 1) }
```

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

```
.background{ background-color: rgb(162,  
219, 1) }
```

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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