

Converting Colors

XYZ(40.3982, 58.5465, 9.1714)

Have a look what the booklet for
XYZ(40.3982, 58.5465, 9.1714)
contains.

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Color

**XYZ(40.2318, 58.3444,
9.1412)**

Conversions

Conversions Part 1	
Format	Color
Hex	A2DB00
RGB	162, 219, 0
RGB Percent	64%, 86%, 0%
CMY	0.3647, 0.1412, 0.9999
CMYK	0.26, 0.00, 1.00, 0.14
HSL	76°, 100%, 43%
HSV	76°, 100%, 86%
XYZ	40.2318, 58.3444, 9.1412
YIQ	176.9910, 36.3270, -80.1930

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 57
Decimal	10672896
CIELab	80.93, -42.38, 79.55
CIELCh	81, 90.133, 118.050
Yxy	58.3444, 0.3735, 0.5416
Android (android.graphics.Color)	4288862976 (0xFFA2DB00)
YUV	176.9910, -87.2566, -13.1471
Hunter-Lab	76.3835, -39.6538, 46.3729

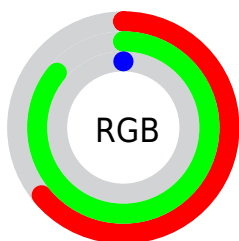
Details

The XYZ color **40.2318, 58.3444, 9.1412** 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 **14.4765, 5.9863, 67.4137**, and the grayscale version is **42.2191, 44.4178, 48.3710**.

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 **40.2314, 58.3461, 9.1415**, and if you desaturate by 10%, it is **41.5617, 59.0153, 9.9561**.

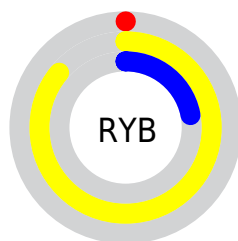
Distribution



Red (64%)

Green (86%)

Blue (0%)



Red (0%)

Yellow (86%)

Blue (22%)

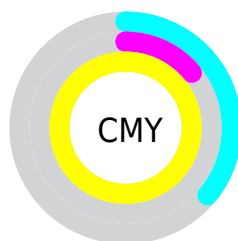


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (36%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2318, 58.3444, 9.1412 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 40.2318, 58.3444, 9.1412 by changing the saturation by 10% instead.


 40.2318, 58.3444,
9.1412


 40.2318, 58.3444,
9.1412


338.2173,
418.4680, 194.6845


 27.9043, 42.0856,
4.7353


 74.7985, 102.4242,
24.7492

 18.3936, 29.1683,
2.0368


 97.7684, 131.0140,
36.7884

 11.3344, 19.2082,
0.5778


 125.0165,
164.4829, 52.2091

 6.3612, 11.8208,
0.0000

 156.9081,
203.2153, 71.4299

 3.1086, 6.6218,
0.0000

 193.8087,
247.5957, 94.8693

 1.2115, 3.2267,
0.0000


 236.0835,


 0.1154, 1.2512,


298.0083, 122.9458


0.0000


284.0979,
354.8376, 156.0780


 0.0000, 0.1029,
0.0000


 0.0000, 0.0000,
0.0000


 40.2318, 58.3444,
9.1412


 40.2318, 58.3444,
9.1412

 40.2314, 58.3461,
9.1415

 41.5617, 59.0153,
9.9561

 43.1069, 59.7763,
11.6322

 44.9226, 60.6518,
14.4521

 47.0395, 61.6541,
18.5739

■ 49.4837, 62.7937,
24.1310

■ 52.2779, 64.0797,
31.2401

■ 55.4426, 65.5204,
40.0060

■ 58.9966, 67.1234,
50.5245

■ 62.9572, 68.8957,
62.8840

Harmonies

Analogous

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



56.6848, 58.3444, 6.2231



40.2318, 58.3444, 9.1412



30.2358, 58.3444, 23.1816

Triad

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



40.2318, 58.3444, 9.1412



38.5480, 58.3444, 196.7430



99.6134, 58.3444, 67.0892

Complementary

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



40.2318, 58.3444, 9.1412



14.4765, 5.9863, 67.4137

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.



91.8223, 58.3444, 134.9201



40.2318, 58.3444, 9.1412



54.2423, 58.3444, 231.5746

Square

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



40.2318, 58.3444, 9.1412



29.4281, 58.3444, 125.1564



74.1016, 58.3444, 204.2681



93.5422, 58.3444, 26.4147

Rectangle

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



40.2318, 58.3444, 9.1412



27.2317, 58.3444, 44.5326



74.1016, 58.3444, 204.2681



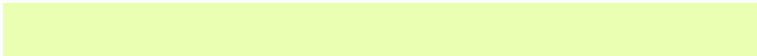
98.4989, 58.3444, 87.2750

Sweetspot

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



40.2331, 58.3470, 9.1424



78.1352, 92.4311, 56.1060



30.5705, 17.7718, 1.8199



16.3048, 19.5936, 10.8257



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.



40.2331, 58.3470, 9.1424



56.6512, 82.2898, 12.8977



26.8961, 51.4715, 8.5183



13.8142, 15.0845, 13.9091



23.9615, 34.6501, 5.4252



1.6312, 2.2854, 0.3552

Inverse Universe

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



14.4765, 5.9863, 67.4137



20.3227, 8.3916, 95.1564



28.1510, 13.0357, 68.0537



12.6549, 12.7802, 16.4520



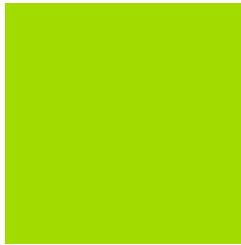
8.6700, 3.5937, 39.9751



0.6421, 0.2743, 2.5935

Previews

White Background



This preview shows how the XYZ color 40.2318, 58.3444, 9.1412 looks on a white background.

Color Contrast Check

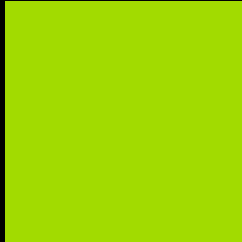
Large Text (above 18pt) WCAG AA × Fail

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 40.2318, 58.3444, 9.1412 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 40.2318, 58.3444, 9.1412

Background



This preview shows how black text looks on a background with the XYZ color 40.2318, 58.3444, 9.1412.



This preview shows how white text looks on a background with the XYZ color 40.2318, 58.3444,

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

40.2318, 58.3444, 9.1412

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

58.9586, 57.6825, 10.1242




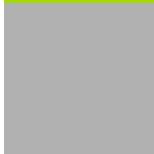

Tritanopia

53.8025, 58.2981, 76.1271

Trichromacy

	Original Color 40.2318, 58.3444, 9.1412
	Protanomaly 47.1845, 57.8083, 8.6712
	Deuteranomaly 50.2865, 56.9079, 9.3112
	Tritanomaly 45.2133, 56.6083, 33.3545

Monochromacy

	Original Color 40.2318, 58.3444, 9.1412
	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 40.2318, 58.3444, 9.1412 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.2318, 58.3444, 9.1412 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, 0) }
```


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

```
.border{ border-color:rgb(162, 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(162, 219, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2318, 58.3444, 9.1412 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, 0) }
```

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

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