

Converting Colors

XYZ(40.0272, 58.2410, 9.1320)

Have a look what the booklet for
XYZ(40.0272, 58.2410, 9.1320)
contains.

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Color

**XYZ(40.0295, 58.2401,
9.1317)**

Conversions

Conversions Part 1

Format	Color
Hex	A1DB00
RGB	161, 219, 0
RGB Percent	63%, 86%, 0%
CMY	0.3686, 0.1412, 0.9999
CMYK	0.26, 0.00, 1.00, 0.14
HSL	76°, 100%, 43%
HSV	76°, 100%, 86%
XYZ	40.0295, 58.2401, 9.1317
YIQ	176.6920, 35.7310, -80.4050

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 58
Decimal	10607360
CIELab	80.87, -42.77, 79.48
CIELCh	81, 90.252, 118.284
Yxy	58.2401, 0.3727, 0.5423
Android (android.graphics.Color)	4288797440 (0xFFA1DB00)
YUV	176.6920, -87.1092, -13.7619
Hunter-Lab	76.3152, -39.9233, 46.3261

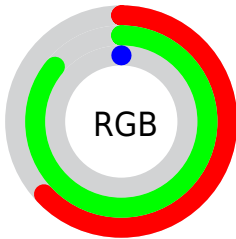
Details

The XYZ color **40.0295, 58.2401, 9.1317** 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 **14.5340, 6.0159, 67.4164**, and the grayscale version is **42.0608, 44.2513, 48.1896**.

A 20% lighter version of the original color is **66.9955, 87.4238, 22.3603**, and **18.8690, 29.4345, 4.6869** is the 20% darker color. If you saturate the color by 10%, you get **40.0291, 58.2418, 9.1320**, and if you desaturate by 10%, it is **41.3713, 58.9171, 9.9471**.

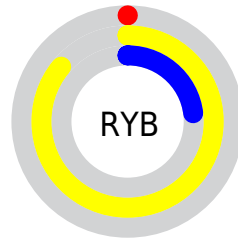
Distribution



Red (63%)

Green (86%)

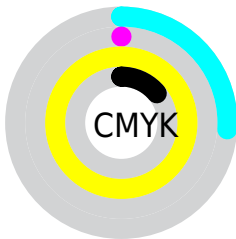
Blue (0%)



Red (0%)

Yellow (86%)

Blue (23%)

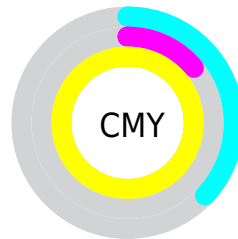


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (37%)

Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0295, 58.2401, 9.1317 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 40.0295, 58.2401, 9.1317 by changing the saturation by 10% instead.

40.0295, 58.2401,
9.1317

40.0295, 58.2401,
9.1317

337.3802,
418.0800, 194.6115

27.7459, 42.0017,
4.7292

74.4925, 102.2724,
24.7307

18.2736, 29.1026,
2.0333

97.4025, 130.8351,
36.7644

11.2475, 19.1585,
0.5757

124.5855,
164.2747, 52.1788

6.3021, 11.7848,
0.0000

156.4066,
202.9756, 71.3925

3.0720, 6.5973,
0.0000

193.2312,
247.3222, 94.8241

1.1920, 3.2116,
0.0000

235.4248,

0.1000, 1.2432,

297.6989, 122.8921

0.0000

283.3527,
354.4900, 156.0150

■ 0.0000, 0.0965,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0295, 58.2401,
9.1317

■ 40.0295, 58.2401,
9.1317

■ 40.0291, 58.2418,
9.1320

■ 41.3713, 58.9171,
9.9471

■ 42.9300, 59.6851,
11.6239

■ 44.7611, 60.5686,
14.4444

■ 46.8952, 61.5797,
18.5669

■ 49.3585, 62.7291,
24.1248

■ 52.1737, 64.0260,
31.2348

■ 55.3614, 65.4785,
40.0018

■ 58.9403, 67.0944,
50.5213

■ 62.9280, 68.8807,
62.8819

Harmonies

Analogous

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



56.4371, 58.2401, 6.1675



40.0295, 58.2401, 9.1317



30.0914, 58.2401, 23.2696

Triad

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



40.0295, 58.2401, 9.1317



38.5485, 58.2401, 197.2179



99.5437, 58.2401, 66.5415

Complementary

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



40.0295, 58.2401, 9.1317



14.5340, 6.0159, 67.4164

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.



91.8481, 58.2401, 134.2613



40.0295, 58.2401, 9.1317



54.2877, 58.2401, 231.6582

Square

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



40.0295, 58.2401, 9.1317



29.3812, 58.2401, 125.6616



74.1655, 58.2401, 203.8487



93.3626, 58.2401, 26.1104

Rectangle

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



40.0295, 58.2401, 9.1317



27.1225, 58.2401, 44.7462



74.1655, 58.2401, 203.8487



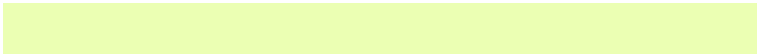
98.4656, 58.2401, 86.6618

Sweetspot

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



40.0308, 58.2427, 9.1329



78.0199, 92.3717, 56.1006



30.5705, 17.7717, 1.8199



16.2771, 19.5794, 10.8244



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.



40.0308, 58.2427, 9.1329



56.3644, 82.1419, 12.8843



26.8961, 51.4715, 8.5182



13.8082, 15.0814, 13.9088



23.8426, 34.5888, 5.4197



1.6243, 2.2819, 0.3548

Inverse Universe

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



14.5340, 6.0159, 67.4164



20.4025, 8.4327, 95.1601



28.1509, 13.0356, 68.0536



12.6606, 12.7831, 16.4522



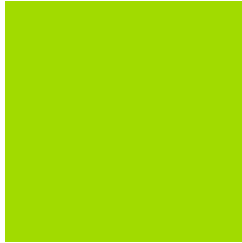
8.7053, 3.6119, 39.9768



0.6450, 0.2758, 2.5937

Previews

White Background



This preview shows how the XYZ color 40.0295, 58.2401, 9.1317 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 40.0295, 58.2401, 9.1317 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 40.0295, 58.2401, 9.1317

Background



This preview shows how black text looks on a background with the XYZ color 40.0295, 58.2401, 9.1317.



This preview shows how white text looks on a background with the XYZ color 40.0295, 58.2401,

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

40.0295, 58.2401, 9.1317

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

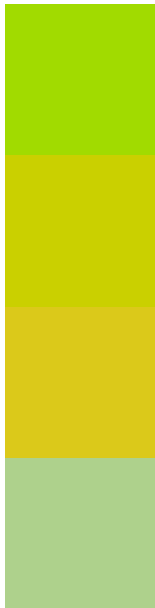
58.9586, 57.6825, 10.1242



Tritanopia

53.5672, 58.1768, 76.1161

Trichromacy



Original Color

40.0295, 58.2401, 9.1317

Protanomaly

46.9130, 57.6683, 8.6585

Deuteranomaly

50.2865, 56.9079, 9.3112

Tritanomaly

44.9896, 56.4930, 33.3440

Monochromacy



Original Color

40.0295, 58.2401, 9.1317

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

38.6249, 47.5495, 22.7650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0295, 58.2401, 9.1317 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(161, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.0295, 58.2401, 9.1317 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(161, 219, 0) }
```


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

```
.border{ border-color:rgb(161, 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(161, 219, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0295, 58.2401, 9.1317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 219, 0) }
```

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

```
.background{ background-color: rgb(161,  
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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