

Converting Colors

XYZ(41.2821, 59.0021, 9.2128)

Have a look what the booklet for
XYZ(41.2821, 59.0021, 9.2128)
contains.

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Color

**XYZ(41.2679, 58.8785,
9.1896)**

Conversions

Conversions Part 1

Format	Color
Hex	A7DB00
RGB	167, 219, 0
RGB Percent	65%, 86%, 0%
CMY	0.3451, 0.1412, 0.9999
CMYK	0.24, 0.00, 1.00, 0.14
HSL	74°, 100%, 43%
HSV	74°, 100%, 86%
XYZ	41.2679, 58.8785, 9.1896
YIQ	178.4860, 39.3070, -79.1330

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 52
Decimal	11000576
CIELab	81.22, -40.46, 79.90
CIELCh	81, 89.560, 116.857
Yxy	58.8785, 0.3774, 0.5385
Android (android.graphics.Color)	4289190656 (0xFFA7DB00)
YUV	178.4860, -87.9936, -10.0732
Hunter-Lab	76.7323, -38.2814, 46.6120

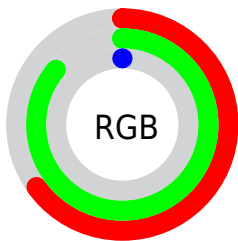
Details

The XYZ color **41.2679, 58.8785, 9.1896** 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 **14.2050, 5.8462, 67.4010**, and the grayscale version is **43.0156, 45.2558, 49.2835**.

A 20% lighter version of the original color is **68.8443, 88.3769, 22.4468**, and **19.5821, 29.8021, 4.7203** is the 20% darker color. If you saturate the color by 10%, you get **41.2677, 58.8804, 9.1900**, and if you desaturate by 10%, it is **42.5343, 59.5167, 10.0015**.

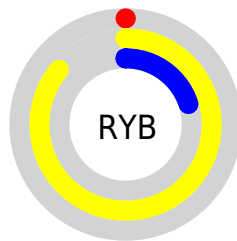
Distribution



Red (65%)

Green (86%)

Blue (0%)



Red (0%)

Yellow (86%)

Blue (20%)

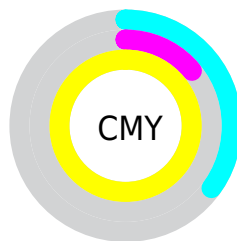


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (35%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2679, 58.8785, 9.1896 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 41.2679, 58.8785, 9.1896 by changing the saturation by 10% instead.


 41.2679, 58.8785,
9.1896


 41.2679, 58.8785,
9.1896


342.4825,
420.4515, 195.0559


 28.7171, 42.5153,
4.7666


 76.3625, 103.2011,
24.8432

 19.0101, 29.5050,
2.0546


 99.6371, 131.9292,
36.9108

 11.7816, 19.4632,
0.5886


 127.2169,
165.5478, 52.3636

 6.6663, 12.0054,
0.0000

 159.4673,
204.4413, 71.6203

 3.2988, 6.7474,
0.0000

 196.7538,
248.9940, 95.0993

 1.3137, 3.3046,
0.0000

 239.4415,

 0.1934, 1.2928,

299.5903, 123.2193

0.0000

287.8960,
356.6147, 156.3986

■ 0.0000, 0.1356,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2679, 58.8785,
9.1896

■ 41.2679, 58.8785,
9.1896

■ 41.2677, 58.8804,
9.1900

■ 42.5343, 59.5167,
10.0015

■ 44.0074, 60.2406,
11.6741

■ 45.7424, 61.0745,
14.4900

■ 47.7698, 62.0306,
18.6075

■ 50.1154, 63.1194,
24.1597

■ 52.8020, 64.3499,
31.2636

■ 55.8497, 65.7303,
40.0239

■ 59.2774, 67.2682,
50.5362

■ 63.1021, 68.9705,
62.8890

Harmonies

Analogous

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



57.9527, 58.8785, 6.5095



41.2679, 58.8785, 9.1896



30.9754, 58.8785, 22.7416

Triad

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



41.2679, 58.8785, 9.1896



38.5487, 58.8785, 194.3753



99.9760, 58.8785, 69.9095

Complementary

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



41.2679, 58.8785, 9.1896



14.2050, 5.8462, 67.4010

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.



91.7006, 58.8785, 138.2967



41.2679, 58.8785, 9.1896



54.0179, 58.8785, 231.1774

Square

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



41.2679, 58.8785, 9.1896



29.6680, 58.8785, 122.6357



73.7864, 58.8785, 206.4184



94.4622, 58.8785, 27.9906

Rectangle

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



41.2679, 58.8785, 9.1896



27.7898, 58.8785, 43.4673



73.7864, 58.8785, 206.4184



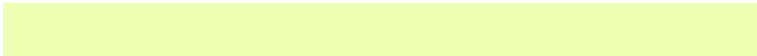
98.6773, 58.8785, 90.4271

Sweetspot

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



41.2692, 58.8811, 9.1909



78.7152, 92.7301, 56.1331



30.4042, 17.4392, 1.7644



16.4443, 19.6655, 10.8322



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.



41.2692, 58.8811, 9.1909



58.1212, 83.0476, 12.9665



27.1025, 51.5779, 8.5279



13.8443, 15.1000, 13.9105



24.5704, 34.9640, 5.4537



1.6662, 2.3035, 0.3568

Inverse Universe

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



14.2050, 5.8462, 67.4010



19.9475, 8.1982, 95.1388



27.4067, 12.6520, 68.0188



12.6268, 12.7657, 16.4507



8.5033, 3.5078, 39.9673



0.6279, 0.2669, 2.5929

Previews

White Background



This preview shows how the XYZ color 41.2679, 58.8785, 9.1896 looks on a white background.

Color Contrast Check

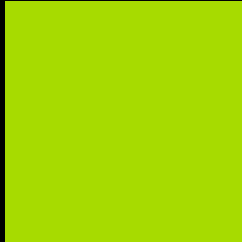
Large Text (above 18pt) WCAG AA × Fail

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 41.2679, 58.8785, 9.1896 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 41.2679, 58.8785, 9.1896

Background



This preview shows how black text looks on a background with the XYZ color 41.2679, 58.8785, 9.1896.



This preview shows how white text looks on a background with the XYZ color 41.2679, 58.8785,

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

41.2679, 58.8785, 9.1896

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

59.5218, 58.2975, 10.1229



Tritanopia

54.7608, 58.7921, 76.1720

Trichromacy



Original Color

41.2679, 58.8785, 9.1896

Protanomaly

47.7327, 58.0909, 8.6969

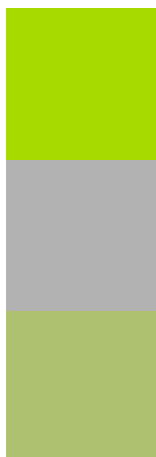
Deuteranomaly

51.1863, 57.3731, 9.2960

Tritanomaly

46.1245, 57.0781, 33.3971

Monochromacy



Original Color

41.2679, 58.8785, 9.1896

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

39.5062, 48.3309, 22.8694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2679, 58.8785, 9.1896 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(167, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.2679, 58.8785, 9.1896 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(167, 219, 0) }
```


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

```
.border{ border-color:rgb(167, 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(167, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2679, 58.8785, 9.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 219, 0) }
```

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

```
.background{ background-color: rgb(167,  
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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