

Converting Colors

XYZ(41.1455, 59.9287, 9.3988)

Have a look what the booklet for
XYZ(41.1455, 59.9287, 9.3988)
contains.

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Color

**XYZ(41.2255, 60.0291,
9.4140)**

Conversions

Conversions Part 1

Format	Color
Hex	A3DE00
RGB	163, 222, 0
RGB Percent	64%, 87%, 0%
CMY	0.3608, 0.1294, 0.9999
CMYK	0.27, 0.00, 1.00, 0.13
HSL	76°, 100%, 44%
HSV	76°, 100%, 87%
XYZ	41.2255, 60.0291, 9.4140
YIQ	179.0510, 36.0980, -81.5500

Conversions

Conversions Part 2

Format	Color
RYB	0, 222, 59
Decimal	10739200
CIELab	81.85, -43.30, 80.28
CIELCh	82, 91.211, 118.343
Yxy	60.0291, 0.3725, 0.5424
Android (android.graphics.Color)	4288929280 (0xFFA3DE00)
YUV	179.0510, -88.2721, -14.0767
Hunter-Lab	77.4784, -40.6092, 47.0309

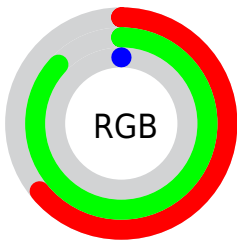
Details

The XYZ color **41.2255, 60.0291, 9.4140** 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 **14.9916, 6.2058, 69.5185**, and the grayscale version is **43.3208, 45.5768, 49.6332**.

A 20% lighter version of the original color is **67.9117, 87.8961, 22.4031**, and **19.5276, 30.5805, 4.8734** is the 20% darker color. If you saturate the color by 10%, you get **41.2251, 60.0309, 9.4143**, and if you desaturate by 10%, it is **42.6105, 60.7281, 10.2467**.

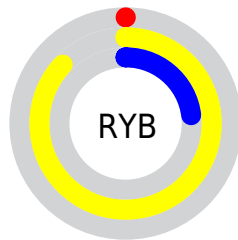
Distribution



Red (64%)

Green (87%)

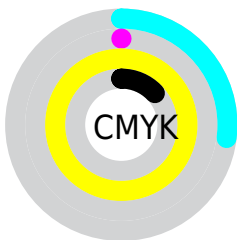
Blue (0%)



Red (0%)

Yellow (87%)

Blue (23%)

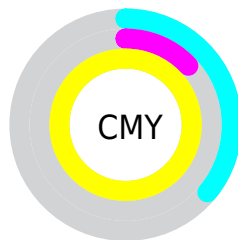


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (36%)

Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2255, 60.0291, 9.4140 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 41.2255, 60.0291, 9.4140 by changing the saturation by 10% instead.

■ 41.2255, 60.0291,
9.4140

■ 41.2255, 60.0291,
9.4140

342.3087,
424.7050, 196.7674

■ 28.6838, 43.4421,
4.9117

■ 76.2986, 104.8719,
25.2777

■ 18.9848, 30.2321,
2.1377

■ 99.5608, 133.8964,
37.4761

■ 11.7632, 20.0149,
0.6381

■ 127.1271,
167.8356, 53.0770

■ 6.6537, 12.4058,
0.0000

■ 159.3629,
207.0739, 72.4989

■ 3.2909, 7.0207,
0.0000

■ 196.6336,
251.9955, 96.1603

■ 1.3094, 3.4751,
0.0000

■ 239.3046,

■ 0.1902, 1.3845,

302.9850, 124.4799

0.0000

287.7412,
360.4267, 157.8760

■ 0.0000, 0.2052,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2255, 60.0291,
9.4140

■ 41.2255, 60.0291,
9.4140

■ 41.2251, 60.0309,
9.4143

■ 42.6105, 60.7281,
10.2467

■ 44.2202, 61.5214,
11.9698

■ 46.1113, 62.4340,
14.8731

■ 48.3157, 63.4787,
19.1205

■ 50.8603, 64.6664,
24.8497

■ 53.7687, 66.0064,
32.1816

■ 57.0622, 67.5075,
41.2245

■ 60.7601, 69.1775,
52.0775

■ 64.8806, 71.0237,
64.8319

Harmonies

Analogous

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



58.1330, 60.0291, 6.3455



41.2255, 60.0291, 9.4140



30.9924, 60.0291, 24.0180

Triad

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



41.2255, 60.0291, 9.4140



39.7505, 60.0291, 203.4896



102.6293, 60.0291, 68.4753

Complementary

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



41.2255, 60.0291, 9.4140



14.9916, 6.2058, 69.5185

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.



94.7186, 60.0291, 138.2776



41.2255, 60.0291, 9.4140



55.9921, 60.0291, 238.9025

Square

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



41.2255, 60.0291, 9.4140



30.2852, 60.0291, 129.7103



76.4944, 60.0291, 210.0962



96.2273, 60.0291, 26.8464

Rectangle

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



41.2255, 60.0291, 9.4140



27.9401, 60.0291, 46.1966



76.4944, 60.0291, 210.0962



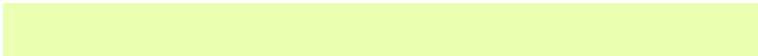
101.5270, 60.0291, 89.2059

Sweetspot

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



41.2269, 60.0318, 9.4153



77.9965, 92.3596, 56.0995



31.5172, 18.3129, 1.8745



16.2715, 19.5765, 10.8241



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.



41.2269, 60.0318, 9.4153



56.3062, 82.1119, 12.8815



27.7272, 53.0724, 8.7835



14.4977, 15.8367, 14.5995



24.5959, 35.7122, 5.5968



1.7881, 2.5183, 0.3918

Inverse Universe

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



14.9916, 6.2058, 69.5185



20.4189, 8.4412, 95.1609



29.0192, 13.4372, 70.1750



13.2921, 13.4186, 17.2772



8.9933, 3.7315, 41.2946



0.7070, 0.3018, 2.8662

Previews

White Background



This preview shows how the XYZ color 41.2255, 60.0291, 9.4140 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 41.2255, 60.0291, 9.4140 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 41.2255, 60.0291, 9.4140

Background



This preview shows how black text looks on a background with the XYZ color 41.2255, 60.0291, 9.4140.



This preview shows how white text looks on a background with the XYZ color 41.2255, 60.0291,

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

41.2255, 60.0291, 9.4140

Protanopia

53.6690, 59.3699, 8.6309

Deuteranopia

60.6027, 59.1645, 10.9151



Tritanopia

54.9190, 59.5376, 78.4094

Trichromacy



Original Color

41.2255, 60.0291, 9.4140

Protanomaly

48.2234, 59.0723, 8.8605

Deuteranomaly

51.7145, 58.3352, 9.7625

Tritanomaly

46.3305, 58.2701, 34.3966

Monochromacy



Original Color

41.2255, 60.0291, 9.4140

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 41.2255, 60.0291, 9.4140 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(163, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.2255, 60.0291, 9.4140 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(163, 222, 0) }
```


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

```
.border{ border-color:rgb(163, 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(163, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 222,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2255, 60.0291, 9.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 222, 0) }
```

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

```
.background{ background-color: rgb(163,  
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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