

Converting Colors

XYZ(42.6361, 62.5000, 9.8170)

Have a look what the booklet for
XYZ(42.6361, 62.5000, 9.8170)
contains.

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Color

**XYZ(42.5062, 62.2852,
9.7819)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E200
RGB	164, 226, 0
RGB Percent	64%, 89%, 0%
CMY	0.3569, 0.1137, 0.9999
CMYK	0.27, 0.00, 1.00, 0.11
HSL	76°, 100%, 44%
HSV	76°, 100%, 89%
XYZ	42.5062, 62.2852, 9.7819
YIQ	181.6980, 35.5940, -83.4300

Conversions

Conversions Part 2

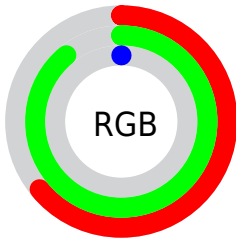
Format	Color
RYB	0, 226, 62
Decimal	10805760
CIELab	83.06, -44.64, 81.23
CIELCh	83, 92.686, 118.793
Yxy	62.2852, 0.3710, 0.5436
Android (android.graphics.Color)	4288995840 (0xFFA4E200)
YUV	181.6980, -89.5771, -15.5211
Hunter-Lab	78.9210, -41.9730, 47.8960

Details

The XYZ color **42.5062, 62.2852, 9.7819** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **15.7172, 6.5171, 72.3847**, and the grayscale version is **44.7607, 47.0917, 51.2829**.

A 20% lighter version of the original color is **68.2619, 88.0719, 22.6343**, and **20.2004, 31.7527, 5.0642** is the 20% darker color. If you saturate the color by 10%, you get **42.5058, 62.2871, 9.7823**, and if you desaturate by 10%, it is **43.9697, 63.0243, 10.6387**.

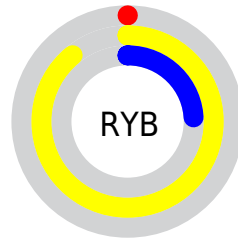
Distribution



Red (64%)

Green (89%)

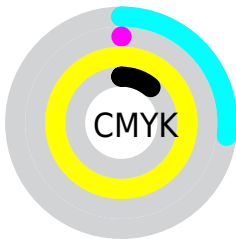
Blue (0%)



Red (0%)

Yellow (89%)

Blue (24%)

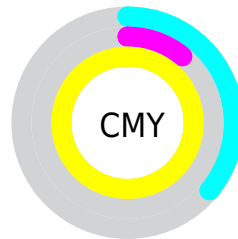


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (36%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5062, 62.2852, 9.7819 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 42.5062, 62.2852, 9.7819 by changing the saturation by 10% instead.


 42.5062, 62.2852,
9.7819


 42.5062, 62.2852,
9.7819


347.5331,
432.9706, 199.5362


 29.6907, 45.2632,
5.1509


 78.2255, 108.1376,
25.9858


 19.7508, 31.6648,
2.2758


 101.8601,
137.7368, 38.3958


 12.3213, 21.1056,
0.7176


 129.8317,
172.2972, 54.2359

 7.0366, 13.2012,
0.0000

 162.5057,
212.2031, 73.9246

 3.5316, 7.5672,
0.0000

 200.2475,
257.8391, 97.8804

 1.4407, 3.8193,
0.0000

 243.4224,

 0.2849, 1.5730,

309.5894, 126.5219

0.0000

292.3958,
367.8384, 160.2677

■ 0.0000, 0.3393,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5062, 62.2852,
9.7819

■ 42.5062, 62.2852,
9.7819

■ 42.5058, 62.2871,
9.7823

■ 43.9697, 63.0243,
10.6387

■ 45.6714, 63.8637,
12.4257

■ 47.6702, 64.8295,
15.4426

■ 49.9995, 65.9349,
19.8608

■ 52.6874, 67.1913,
25.8244

■ 55.7588, 68.6089,
33.4597

■ 59.2359, 70.1965,
42.8800

■ 63.1390, 71.9624,
54.1887

■ 67.4872, 73.9142,
67.4811

Harmonies

Analogous

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



60.0161, 62.2852, 6.4927



42.5062, 62.2852, 9.7819



31.9707, 62.2852, 25.1900

Triad

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



42.5062, 62.2852, 9.7819



41.3883, 62.2852, 212.8558



106.7110, 62.2852, 70.1705

Complementary

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



42.5062, 62.2852, 9.7819



15.7172, 6.5171, 72.3847

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.



98.6724, 62.2852, 142.6140



42.5062, 62.2852, 9.7819



58.3918, 62.2852, 248.9137

Square

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



42.5062, 62.2852, 9.7819



31.4352, 62.2852, 136.1033



79.7766, 62.2852, 217.8807



99.8185, 62.2852, 27.3295

Rectangle

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



42.5062, 62.2852, 9.7819



28.8653, 62.2852, 48.5436



79.7766, 62.2852, 217.8807



105.6385, 62.2852, 91.6186

Sweetspot

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



42.5076, 62.2880, 9.7832



77.7809, 92.2485, 56.0894



32.9968, 19.4317, 2.0124



16.2197, 19.5498, 10.8217



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.



42.5076, 62.2880, 9.7832



55.7750, 81.8381, 12.8567



28.6533, 55.1458, 9.1349



14.4859, 15.8306, 14.5989



24.3682, 35.5948, 5.5861



1.7739, 2.5110, 0.3912

Inverse Universe

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



15.7172, 6.5171, 72.3847



20.5736, 8.5210, 95.1681



31.0234, 14.4078, 73.1010



13.3033, 13.4244, 17.2777



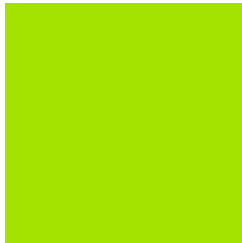
9.0636, 3.7678, 41.2979



0.7132, 0.3050, 2.8665

Previews

White Background



This preview shows how the XYZ color 42.5062, 62.2852, 9.7819 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 42.5062, 62.2852, 9.7819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

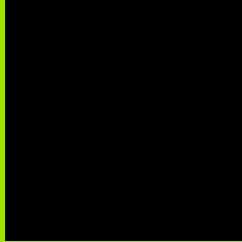
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5062, 62.2852, 9.7819

Background



This preview shows how black text looks on a background with the XYZ color 42.5062, 62.2852, 9.7819.



This preview shows how white text looks on a background with the XYZ color 42.5062, 62.2852, 9.7819.

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

42.5062, 62.2852, 9.7819

Protanopia

55.9171, 61.9493, 9.0103

Deuteranopia

62.6542, 61.7717, 16.2103



Tritanopia

56.9193, 61.9535, 81.6313

Trichromacy



Original Color

42.5062, 62.2852, 9.7819

Protanomaly

50.0590, 61.5030, 9.2329

Deuteranomaly

53.2776, 60.8804, 12.0750

Tritanomaly

47.7214, 60.4725, 35.5427

Monochromacy



Original Color

42.5062, 62.2852, 9.7819

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

41.0257, 50.7631, 24.1590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5062, 62.2852, 9.7819 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(164, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 226, 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(164, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.5062, 62.2852, 9.7819 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(164, 226, 0) }
```


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

```
.border{ border-color:rgb(164, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 226,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5062, 62.2852, 9.7819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 226, 0) }
```

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

```
.background{ background-color: rgb(164,  
226, 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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