

Converting Colors

XYZ(43.7860, 62.3021, 9.7177)

Have a look what the booklet for
XYZ(43.7860, 62.3021, 9.7177)
contains.

XYZ(43.6689, 62.0820, 9.6814)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.6689, 62.0820,
9.6814)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE000
RGB	172, 224, 0
RGB Percent	67%, 88%, 0%
CMY	0.3255, 0.1215, 0.9999
CMYK	0.23, 0.00, 1.00, 0.12
HSL	74°, 100%, 44%
HSV	74°, 100%, 88%
XYZ	43.6689, 62.0820, 9.6814
YIQ	182.9160, 40.9120, -80.6880

Conversions

Conversions Part 2

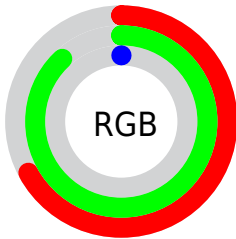
Format	Color
RYB	0, 224, 52
Decimal	11329536
CIELab	82.96, -40.72, 81.35
CIELCh	83, 90.972, 116.592
Yxy	62.0820, 0.3783, 0.5378
Android (android.graphics.Color)	4289519616 (0xFFACE000)
YUV	182.9160, -90.1776, -9.5733
Hunter-Lab	78.7921, -38.9563, 47.8694

Details

The XYZ color **43.6689, 62.0820, 9.6814** 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 **14.8735, 6.1137, 70.9209**, and the grayscale version is **45.4303, 47.7962, 52.0501**.

A 20% lighter version of the original color is **70.8002, 89.3804, 22.7531**, and **21.1274, 31.9533, 5.0541** is the 20% darker color. If you saturate the color by 10%, you get **43.6687, 62.0840, 9.6818**, and if you desaturate by 10%, it is **44.9832, 62.7444, 10.5210**.

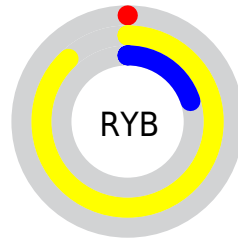
Distribution



Red (67%)

Green (88%)

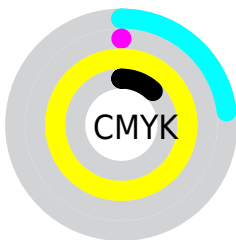
Blue (0%)



Red (0%)

Yellow (88%)

Blue (20%)

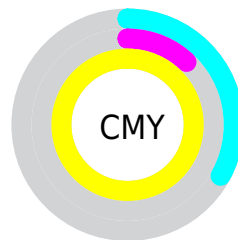


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (33%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6689, 62.0820, 9.6814 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 43.6689, 62.0820, 9.6814 by changing the saturation by 10% instead.


 43.6689, 62.0820,
9.6814


 43.6689, 62.0820,
9.6814


352.2305,
432.2301, 198.7843


 30.6071, 45.0990,
5.0854


 79.9687, 107.8440,
25.7929

 20.4502, 31.5354,
2.2378


 103.9374,
137.3918, 38.1454


 12.8329, 21.0069,
0.6961


 132.2725,
171.8966, 53.9206

 7.3898, 13.1290,
0.0000

 165.3393,
211.7429, 73.5369

 3.7555, 7.5175,
0.0000

 203.5031,
257.3150, 97.4129

 1.5648, 3.7878,
0.0000

 247.1294,

 0.3693, 1.5556,

308.9973, 125.9671

0.0000

296.5834,
367.1742, 159.6180

■ 0.0000, 0.3274,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6689, 62.0820,
9.6814

■ 43.6689, 62.0820,
9.6814

■ 43.6687, 62.0840,
9.6818

■ 44.9832, 62.7444,
10.5210

■ 46.5139, 63.4964,
12.2700

■ 48.3185, 64.3632,
15.2232

■ 50.4293, 65.3578,
19.5481

■ 52.8736, 66.4912,
25.3857

■ 55.6753, 67.7730,
32.8596

■ 58.8559, 69.2119,
42.0805

■ 62.4350, 70.8157,
53.1495

■ 66.4309, 72.5918,
66.1601

Harmonies

Analogous

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



61.2802, 62.0820, 6.9175



43.6689, 62.0820, 9.6814



32.7686, 62.0820, 23.8295

Triad

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



43.6689, 62.0820, 9.6814



40.5648, 62.0820, 203.9941



105.2887, 62.0820, 74.2308

Complementary

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



43.6689, 62.0820, 9.6814



14.8735, 6.1137, 70.9209

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.



96.4680, 62.0820, 146.3205



43.6689, 62.0820, 9.6814



56.7909, 62.0820, 243.1754

Square

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



43.6689, 62.0820, 9.6814



31.2754, 62.0820, 128.4693



77.5722, 62.0820, 217.7146



99.6165, 62.0820, 29.8287

Rectangle

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



43.6689, 62.0820, 9.6814



29.3736, 62.0820, 45.4957



77.5722, 62.0820, 217.7146



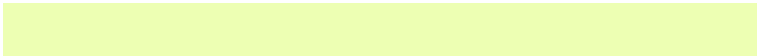
103.8793, 62.0820, 95.8980

Sweetspot

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



43.6703, 62.0848, 9.6827



78.8505, 92.7998, 56.1395



31.8221, 18.0079, 1.7995



16.4769, 19.6823, 10.8337



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.



43.6703, 62.0848, 9.6827



58.4705, 83.2277, 12.9828



28.7385, 54.3871, 8.9839



14.5443, 15.8608, 14.6016



25.5226, 36.1899, 5.6402



1.8456, 2.5479, 0.3945

Inverse Universe

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



14.8735, 6.1137, 70.9209



19.8661, 8.1562, 95.1350



28.0620, 12.9126, 71.5381



13.2484, 13.3961, 17.2751



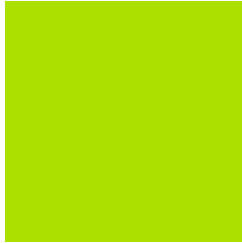
8.7402, 3.6010, 41.2828



0.6842, 0.2900, 2.8652

Previews

White Background



This preview shows how the XYZ color 43.6689, 62.0820, 9.6814 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 43.6689, 62.0820, 9.6814 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 43.6689, 62.0820, 9.6814

Background



This preview shows how black text looks on a background with the XYZ color 43.6689, 62.0820, 9.6814.



This preview shows how white text looks on a background with the XYZ color 43.6689, 62.0820,

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

43.6689, 62.0820, 9.6814

Protanopia

55.3500, 61.2984, 8.9145

Deuteranopia

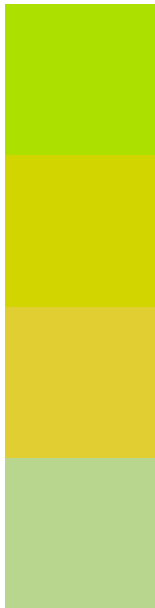
62.3551, 61.2899, 15.7514



Tritanopia

57.8847, 61.7545, 80.1031

Trichromacy



Original Color

43.6689, 62.0820, 9.6814

Protanomaly

50.3726, 61.2901, 9.1753

Deuteranomaly

53.6984, 60.3805, 11.8420

Tritanomaly

49.0121, 60.3906, 35.0599

Monochromacy



Original Color

43.6689, 62.0820, 9.6814

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

41.9369, 51.2328, 24.2016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6689, 62.0820, 9.6814 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(172, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 224, 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(172, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 224, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.6689, 62.0820, 9.6814 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(172, 224, 0) }
```


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

```
.border{ border-color:rgb(172, 224, 0) }
```

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

Here you see how a box with a 4 pixel rgb(172, 224, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 224,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6689, 62.0820, 9.6814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 224, 0) }
```

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

```
.background{ background-color: rgb(172,  
224, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor