

Converting Colors

XYZ(41.7296, 59.2181, 9.9878)

Have a look what the booklet for
XYZ(41.7296, 59.2181, 9.9878)
contains.

XYZ(41.6248, 59.0458, 9.9622)	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(41.6248, 59.0458,
9.9622)**

Conversions

Conversions Part 1

Format	Color
Hex	A8DB16
RGB	168, 219, 22
RGB Percent	66%, 86%, 9%
CMY	0.3412, 0.1412, 0.9137
CMYK	0.23, 0.00, 0.90, 0.14
HSL	76°, 82%, 47%
HSV	76°, 90%, 86%
XYZ	41.6248, 59.0458, 9.9622
YIQ	181.2930, 32.8410, -72.0790

Conversions

Conversions Part 2

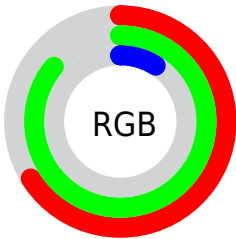
Format	Color
R _Y B	22, 219, 73
Decimal	11066134
CIE Lab	81.32, -39.77, 77.67
CIE LCh	81, 87.256, 117.114
Yxy	59.0458, 0.3762, 0.5337
Android (android.graphics.Color)	4289256214 (0xFFA8DB16)
YUV	181.2930, -78.5314, -11.6580
Hunter-Lab	76.8413, -37.7790, 46.1021

Details

The XYZ color **41.6248, 59.0458, 9.9622** 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 **15.8234, 7.1065, 67.5590**, and the grayscale version is **44.4817, 46.7982, 50.9633**.

A 20% lighter version of the original color is **69.4143, 88.6412, 23.8069**, and **19.7059, 29.8659, 4.7261** is the 20% darker color. If you saturate the color by 10%, you get **40.3007, 58.3818, 9.1481**, and if you desaturate by 10%, it is **43.1680, 59.8077, 11.6436**.

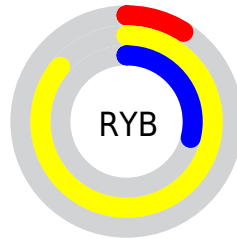
Distribution



Red (66%)

Green (86%)

Blue (9%)



Red (9%)

Yellow (86%)

Blue (29%)

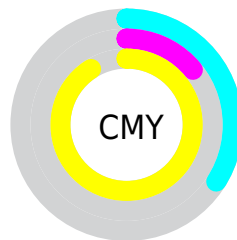


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (14%)



Cyan (34%)


Magenta (14%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6248, 59.0458, 9.9622 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 41.6248, 59.0458, 9.9622 by changing the saturation by 10% instead.


 41.6248, 59.0458,
9.9622


 41.6248, 59.0458,
9.9622


343.9434,
421.0716, 200.8771


 28.9974, 42.6500,
5.2686


 76.9002, 103.4442,
26.3311

 19.2232, 29.6106,
2.3442


 100.2789,
132.2156, 38.8435


 11.9366, 19.5432,
0.7558


 127.9722,
165.8810, 54.7992

 6.7724, 12.0634,
0.0000

 160.3453,
204.8248, 74.6168

 3.3652, 6.7869,
0.0000

 197.7636,
249.4314, 98.7149

 1.3497, 3.3292,
0.0000

 240.5925,

 0.2200, 1.3059,

300.0851, 127.5119

0.0000

289.1973,
357.1704, 161.4265

■ 0.0000, 0.1458,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6248, 59.0458,
9.9622

■ 41.6248, 59.0458,
9.9622

■ 40.3007, 58.3818,
9.1481

■ 43.1680, 59.8077,
11.6436

■ 40.2939, 58.3784,
9.1444

■ 44.9801, 60.6812,
14.4680

■ 47.0930, 61.6813,
18.5950

■ 49.5325, 62.8184,
24.1577

■ 52.3216, 64.1016,
31.2728

■ 55.4807, 65.5393,
40.0452

■ 59.0286, 67.1390,
50.5704

■ 62.9826, 68.9077,
62.9369

■ 67.3590, 70.8520,
77.2271

Harmonies

Analogous

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



57.9029, 59.0458, 7.1378



41.6248, 59.0458, 9.9622



31.5495, 59.0458, 23.7611

Triad

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



41.6248, 59.0458, 9.9622



39.1724, 59.0458, 190.6558



98.8688, 59.0458, 69.4736

Complementary

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



41.6248, 59.0458, 9.9622



15.8234, 7.1065, 67.5590

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.



90.9678, 59.0458, 135.5751



41.6248, 59.0458, 9.9622



54.3765, 59.0458, 225.4993

Square

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



41.6248, 59.0458, 9.9622



30.3637, 59.0458, 121.6955



73.6443, 59.0458, 201.2695



93.4224, 59.0458, 28.5559

Rectangle

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



41.6248, 59.0458, 9.9622



28.4360, 59.0458, 44.4169



73.6443, 59.0458, 201.2695



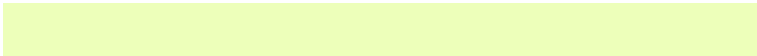
97.6521, 59.0458, 89.3528

Sweetspot

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



41.6262, 59.0484, 9.9635



79.6217, 93.1059, 60.3127



31.6300, 19.6589, 2.8874



16.6897, 19.7689, 11.8888



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.



41.6262, 59.0484, 9.9635



56.7397, 82.3355, 12.9018



28.0957, 52.0733, 9.3302



13.8160, 15.0854, 13.9092



23.9982, 34.6690, 5.4270



1.6333, 2.2865, 0.3553

Inverse Universe

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



15.8234, 7.1065, 67.5590



20.2985, 8.3792, 95.1552



29.5994, 14.2083, 68.2037



12.6532, 12.7793, 16.4519



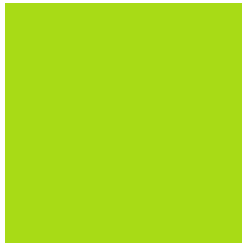
8.6593, 3.5882, 39.9746



0.6412, 0.2738, 2.5935

Previews

White Background



This preview shows how the XYZ color 41.6248, 59.0458, 9.9622 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 41.6248, 59.0458, 9.9622 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 41.6248, 59.0458, 9.9622

Background



This preview shows how black text looks on a background with the XYZ color 41.6248, 59.0458, 9.9622.



This preview shows how white text looks on a background with the XYZ color 41.6248, 59.0458,

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

41.6248, 59.0458, 9.9622

Protanopia

52.8783, 58.6037, 8.9401

Deuteranopia

59.6125, 58.3337, 10.6002



Tritanopia

55.0047, 58.9178, 76.1834

Trichromacy



Original Color

41.6248, 59.0458, 9.9622

Protanomaly

48.1107, 58.2740, 9.2426

Deuteranomaly

51.3448, 57.4365, 10.1304

Tritanomaly

46.9682, 57.4423, 36.6290

Monochromacy



Original Color

41.6248, 59.0458, 9.9622

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

40.9948, 49.6904, 26.1694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6248, 59.0458, 9.9622 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(168, 219, 22)` looks like.

```
.text, #text, p{  
    color:rgb(168, 219, 22)  
}
```

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(168, 219, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 219, 22) }
```

Border

The CSS property to change the border of an element to XYZ 41.6248, 59.0458, 9.9622 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(168, 219, 22) }
```


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

```
.border{ border-color:rgb(168, 219, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 219, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 219, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 219, 22);  
box-shadow:4px 4px 4px 4px rgb(168, 219,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6248, 59.0458, 9.9622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 219, 22) }
```

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

```
.background{ background-color: rgb(168,  
219, 22) }
```

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