

Converting Colors

XYZ(36.7883, 49.1560, 9.1527)

Have a look what the booklet for
XYZ(36.7883, 49.1560, 9.1527)
contains.

XYZ(36.8752, 49.2930, 9.1611)	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(36.8752, 49.2930,
9.1611)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C723
RGB	168, 199, 35
RGB Percent	66%, 78%, 14%
CMY	0.3412, 0.2196, 0.8627
CMYK	0.16, 0.00, 0.82, 0.22
HSL	71°, 70%, 46%
HSV	71°, 82%, 78%
XYZ	36.8752, 49.2930, 9.1611
YIQ	171.0350, 34.1680, -57.5760

Conversions

Conversions Part 2

Format	Color
RYB	35, 199, 66
Decimal	11061027
CIELab	75.63, -30.30, 70.35
CIELCh	76, 76.598, 113.301
Yxy	49.2930, 0.3868, 0.5171
Android (android.graphics.Color)	4289251107 (0xFFA8C723)
YUV	171.0350, -67.0653, -2.6617
Hunter-Lab	70.2090, -29.1138, 41.4099

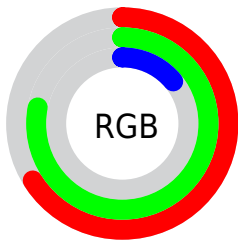
Details

The XYZ color **36.8752, 49.2930, 9.1611** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as middle muted chartreuse. A complement of this color would be **13.1584, 6.4851, 54.5940**, and the grayscale version is **39.0422, 41.0754, 44.7312**.

A 20% lighter version of the original color is **69.5962, 88.7140, 24.7647**, and **16.6809, 23.6303, 3.6819** is the 20% darker color. If you saturate the color by 10%, you get **35.8703, 48.8016, 7.9851**, and if you desaturate by 10%, it is **38.0730, 49.8678, 11.2218**.

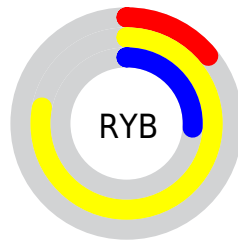
Distribution



Red (66%)

Green (78%)

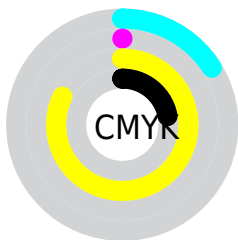
Blue (14%)



Red (14%)

Yellow (78%)

Blue (26%)

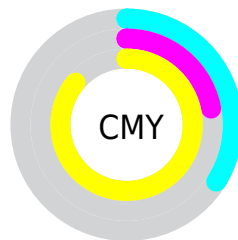


Cyan (16%)

Magenta (0%)

Yellow (82%)

Black (22%)



Cyan (34%)

Magenta (22%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8752, 49.2930, 9.1611 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 36.8752, 49.2930, 9.1611 by changing the saturation by 10% instead.

■ 36.8752, 49.2930,
9.1611

■ 36.8752, 49.2930,
9.1611

324.1348,
383.8947, 194.8373

■ 25.2841, 34.8520,
4.7482

■ 69.6959, 89.1265,
24.7878

■ 16.4187, 23.5489,
2.0441

■ 91.6562, 115.2877,
36.8387

■ 9.9136, 14.9993,
0.5822

■ 117.8036,
146.1244, 52.2727

■ 5.4036, 8.8189,
0.0000

■ 148.5035,
182.0211, 71.5082

■ 2.5231, 4.6232,
0.0000

■ 184.1212,
223.3620, 94.9639

■ 0.9069, 2.0280,
0.0000

■ 225.0221,

■ 0.0000, 0.6236,

270.5317, 123.0583

0.0000

271.5715,
323.9144, 156.2099

■ 0.0000, 0.0000,
0.0000

■ 36.8752, 49.2930,
9.1611

■ 36.8752, 49.2930,
9.1611

■ 35.8703, 48.8016,
7.9851

■ 38.0730, 49.8678,
11.2218

■ 35.1993, 48.4657,
7.4996

■ 39.4851, 50.5292,
14.2945

■ 41.1337, 51.2879,
18.4891

■ 43.0368, 52.1512,
23.9004

■ 45.2108, 53.1257,
30.6131

■ 47.6705, 54.2171,
38.7044

■ 50.4296, 55.4312,
48.2455

■ 53.5008, 56.7729,
59.3027

■ 56.8962, 58.2471,
71.9382

Harmonies

Analogous

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



50.1037, 49.2930, 7.4806



36.8752, 49.2930, 9.1611



28.2185, 49.2930, 19.2308

Triad

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



36.8752, 49.2930, 9.1611



32.3768, 49.2930, 143.7475



79.4726, 49.2930, 63.3029

Complementary

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



36.8752, 49.2930, 9.1611



13.1584, 6.4851, 54.5940

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.



72.2812, 49.2930, 115.1468



36.8752, 49.2930, 9.1611



43.7432, 49.2930, 174.5297

Square

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



36.8752, 49.2930, 9.1611



26.0110, 49.2930, 90.8522



58.4821, 49.2930, 162.0349



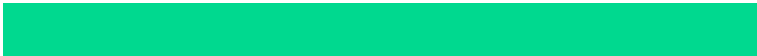
76.6103, 49.2930, 28.3356

Rectangle

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



36.8752, 49.2930, 9.1611



25.2924, 49.2930, 34.2201



58.4821, 49.2930, 162.0349



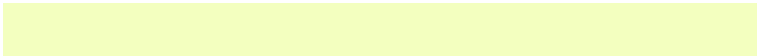
78.1102, 49.2930, 79.3732

Sweetspot

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



36.8763, 49.2952, 9.1621



82.1354, 94.3379, 63.3146



25.7526, 16.0534, 3.3321



17.2508, 20.0460, 12.4664



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.



36.8763, 49.2952, 9.1621



61.5819, 84.8301, 13.2014



24.6530, 42.9939, 8.5901



11.3198, 12.3118, 11.3426



22.7025, 31.1989, 4.8254



1.1271, 1.5042, 0.2309

Inverse Universe

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



13.1584, 6.4851, 54.5940



19.4069, 7.9606, 95.1214



22.9563, 11.5361, 55.0525



10.2407, 10.3824, 13.3817



7.1895, 2.9406, 34.9330



0.3984, 0.1691, 1.6568

Previews

White Background



This preview shows how the XYZ color 36.8752, 49.2930, 9.1611 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 36.8752, 49.2930, 9.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

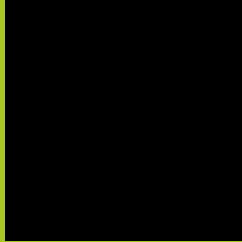
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8752, 49.2930, 9.1611

Background



This preview shows how black text looks on a background with the XYZ color 36.8752, 49.2930, 9.1611.



This preview shows how white text looks on a background with the XYZ color 36.8752, 49.2930,

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

36.8752, 49.2930, 9.1611

Protanopia

44.1141, 48.7774, 8.4564

Deuteranopia

49.9905, 48.7565, 9.5725



Tritanopia

47.3027, 48.9353, 61.5959

Trichromacy



Original Color

36.8752, 49.2930, 9.1611

Protanomaly

41.1534, 48.8407, 8.6970

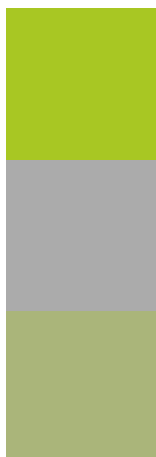
Deuteranomaly

44.1549, 48.1570, 9.2535

Tritanomaly

41.5072, 48.1853, 31.9240

Monochromacy



Original Color

36.8752, 49.2930, 9.1611

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.6143, 42.9989, 24.7822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8752, 49.2930, 9.1611 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, 199, 35)` looks like.

```
.text, #text, p{  
    color:rgb(168, 199, 35)  
}
```

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, 199, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 199, 35) }
```

Border

The CSS property to change the border of an element to XYZ 36.8752, 49.2930, 9.1611 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, 199, 35) }
```


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

```
.border{ border-color:rgb(168, 199, 35) }
```

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

Here you see how a box with a 4 pixel rgb(168, 199, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 199, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 199, 35);  
box-shadow:4px 4px 4px 4px rgb(168, 199,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8752, 49.2930, 9.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 199, 35) }
```

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

```
.background{ background-color: rgb(168,  
199, 35) }
```

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