

Converting Colors

XYZ(34.9611, 53.5959, 9.0791)

Have a look what the booklet for
XYZ(34.9611, 53.5959, 9.0791)
contains.

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Color

**XYZ(34.9710, 53.7123,
9.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD612
RGB	140, 214, 18
RGB Percent	55%, 84%, 7%
CMY	0.4510, 0.1608, 0.9293
CMYK	0.35, 0.00, 0.92, 0.16
HSL	83°, 84%, 45%
HSV	83°, 92%, 84%
XYZ	34.9710, 53.7123, 9.0966
YIQ	169.5300, 18.8120, -76.6440

Conversions

Conversions Part 2

Format	Color
RYB	18, 214, 92
Decimal	9229842
CIELab	78.29, -48.15, 75.14
CIELCh	78, 89.249, 122.653
Yxy	53.7123, 0.3577, 0.5493
Android (android.graphics.Color)	4287419922 (0xFF8CD612)
YUV	169.5300, -74.7043, -25.8978
Hunter-Lab	73.2887, -43.0807, 43.9430

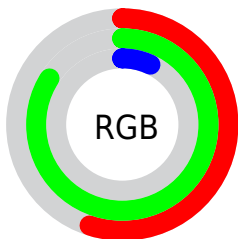
Details

The XYZ color **34.9710, 53.7123, 9.0966** 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 **16.7707, 7.5649, 64.1977**, and the grayscale version is **38.3300, 40.3261, 43.9151**.

A 20% lighter version of the original color is **61.1587, 84.4003, 22.7403**, and **15.7915, 26.5456, 4.2915** is the 20% darker color. If you saturate the color by 10%, you get **33.7516, 53.0980, 8.4701**, and if you desaturate by 10%, it is **36.6482, 54.5482, 10.5533**.

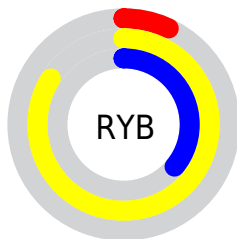
Distribution



Red (55%)

Green (84%)

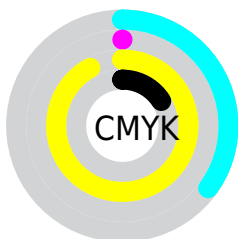
Blue (7%)



Red (7%)

Yellow (84%)

Blue (36%)

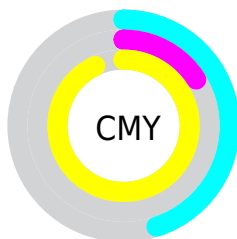


Cyan (35%)

Magenta (0%)

Yellow (92%)

Black (16%)



Cyan (45%)


Magenta (16%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9710, 53.7123, 9.0966 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 34.9710, 53.7123, 9.0966 by changing the saturation by 10% instead.


 34.9710, 53.7123,
9.0966


 34.9710, 53.7123,
9.0966


315.9506,
401.0120, 194.3414

 23.8069, 38.3717,
4.7066


 66.7752, 95.6517,
24.6625

 15.3144, 26.2713,
2.0204


 88.1460, 123.0193,
36.6755


 9.1281, 17.0267,
0.5678


 113.6498,
155.1646, 52.0665

 4.8826, 10.2535,
0.0000

 143.6519,
192.4722, 71.2541

 2.2126, 5.5674,
0.0000

 178.5176,
235.3263, 94.6569

 0.7494, 2.5839,
0.0000

 218.6124,

 0.0000, 0.9186,

284.1113, 122.6933

0.0000

264.3016,
339.2118, 155.7820

■ 0.0000, 0.0000,
0.0000

■ 34.9710, 53.7123,
9.0966

■ 34.9710, 53.7123,
9.0966

■ 33.7516, 53.0980,
8.4701

■ 36.6482, 54.5482,
10.5533

■ 38.6267, 55.5145,
13.0688

■ 40.9390, 56.6264,
16.7987

■ 43.6114, 57.8945,
21.8718

■ 46.6673, 59.3285,
28.4006

■ 50.1275, 60.9370,
36.4859

■ 54.0113, 62.7278,
46.2193

■ 58.3365, 64.7082,
57.6855

■ 63.1198, 66.8851,
70.9631

Harmonies

Analogous

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



49.5108, 53.7123, 5.3870



34.9710, 53.7123, 9.0966



26.6269, 53.7123, 24.4580

Triad

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



34.9710, 53.7123, 9.0966



37.1087, 53.7123, 192.5355



92.5552, 53.7123, 54.1370

Complementary

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



34.9710, 53.7123, 9.0966



16.7707, 7.5649, 64.1977

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.



87.1302, 53.7123, 114.8251



34.9710, 53.7123, 9.0966



52.6247, 53.7123, 217.1048

Square

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



34.9710, 53.7123, 9.0966



27.6485, 53.7123, 127.3652



71.4327, 53.7123, 182.8355



84.9256, 53.7123, 20.3882

Rectangle

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



34.9710, 53.7123, 9.0966



24.4337, 53.7123, 47.0117



71.4327, 53.7123, 182.8355



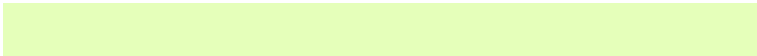
92.1988, 53.7123, 71.6846

Sweetspot

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



34.9722, 53.7147, 9.0978



76.9527, 91.7299, 60.1878



31.4883, 21.6326, 3.0889



16.0562, 19.4424, 11.8592



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.



34.9722, 53.7147, 9.0978



50.0009, 78.8615, 12.5865



25.2022, 48.6780, 8.6405



12.9974, 14.2749, 13.2310



20.5185, 32.1540, 5.1249



1.3281, 1.9861, 0.3133

Inverse Universe

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



16.7707, 7.5649, 64.1977



22.9043, 9.7225, 95.2772



33.0626, 15.9637, 64.9602



12.1813, 12.2349, 15.6571



9.4843, 4.0418, 38.7334



0.6625, 0.2904, 2.3404

Previews

White Background



This preview shows how the XYZ color 34.9710, 53.7123, 9.0966 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 34.9710, 53.7123, 9.0966 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 34.9710, 53.7123, 9.0966

Background



This preview shows how black text looks on a background with the XYZ color 34.9710, 53.7123, 9.0966.



This preview shows how white text looks on a background with the XYZ color 34.9710, 53.7123,

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

34.9710, 53.7123, 9.0966

Protanopia

47.6852, 52.8916, 7.6958

Deuteranopia

54.3503, 53.1035, 9.7683



Tritanopia

47.5895, 53.4345, 72.0956

Trichromacy



Original Color

34.9710, 53.7123, 9.0966

Protanomaly

41.9113, 52.6074, 8.1463

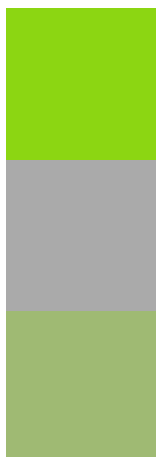
Deuteranomaly

45.0488, 51.8267, 9.2193

Tritanomaly

39.8772, 52.0389, 33.9294

Monochromacy



Original Color

34.9710, 53.7123, 9.0966

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

34.9515, 43.7265, 22.8176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9710, 53.7123, 9.0966 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(140, 214, 18)` looks like.

```
.text, #text, p{  
    color:rgb(140, 214, 18)  
}
```

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(140, 214, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 214, 18) }
```

Border

The CSS property to change the border of an element to XYZ 34.9710, 53.7123, 9.0966 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(140, 214, 18) }
```


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

```
.border{ border-color:rgb(140, 214, 18) }
```

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

Here you see how a box with a 4 pixel rgb(140, 214, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 214, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 214, 18);  
box-shadow:4px 4px 4px 4px rgb(140, 214,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9710, 53.7123, 9.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 214, 18) }
```

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

```
.background{ background-color: rgb(140,  
214, 18) }
```

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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