

Converting Colors

XYZ(34.6994, 50.8495, 7.9861)

Have a look what the booklet for
XYZ(34.6994, 50.8495, 7.9861)
contains.

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Color

**XYZ(34.8905, 51.1097,
8.0262)**

Conversions

Conversions Part 1

Format	Color
Hex	96CF00
RGB	150, 207, 0
RGB Percent	59%, 81%, 0%
CMY	0.4118, 0.1882, 0.9999
CMYK	0.28, 0.00, 1.00, 0.19
HSL	77°, 100%, 41%
HSV	77°, 100%, 81%
XYZ	34.8905, 51.1097, 8.0262
YIQ	166.3590, 32.4750, -76.4610

Conversions

Conversions Part 2

Format	Color
RYB	0, 207, 57
Decimal	9883392
CIELab	76.75, -41.76, 76.05
CIELCh	77, 86.757, 118.771
Yxy	51.1097, 0.3711, 0.5436
Android (android.graphics.Color)	4288073472 (0xFF96CF00)
YUV	166.3590, -82.0150, -14.3468
Hunter-Lab	71.4910, -37.9942, 43.3873

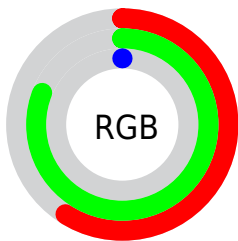
Details

The XYZ color **34.8905, 51.1097, 8.0262** 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 **12.9523, 5.3764, 59.3896**, and the grayscale version is **36.7960, 38.7123, 42.1576**.

A 20% lighter version of the original color is **63.6547, 85.7154, 21.5773**, and **15.6419, 24.7318, 3.9493** is the 20% darker color. If you saturate the color by 10%, you get **34.8903, 51.1113, 8.0266**, and if you desaturate by 10%, it is **36.0992, 51.7192, 8.7763**.

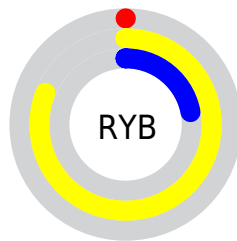
Distribution



Red (59%)

Green (81%)

Blue (0%)



Red (0%)

Yellow (81%)

Blue (22%)

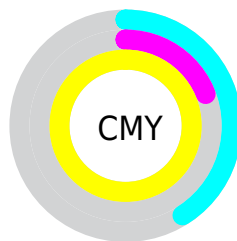


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (41%)

Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8905, 51.1097, 8.0262 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 34.8905, 51.1097, 8.0262 by changing the saturation by 10% instead.

■ 34.8905, 51.1097,
8.0262

■ 34.8905, 51.1097,
8.0262

315.6012,
390.9898, 185.8796

■ 23.7447, 36.2959,
4.0237

■ 66.6512, 91.8169,
22.5568

■ 15.2680, 24.6628,
1.6384

■ 87.9968, 118.4791,
33.9220

■ 9.0952, 15.8260,
0.3180

■ 113.4731,
149.8596, 48.5785

■ 4.8610, 9.4011,
0.0000

■ 143.4453,
186.3428, 66.9449

■ 2.1998, 5.0037,
0.0000

■ 178.2789,
228.3130, 89.4396

■ 0.7427, 2.2495,
0.0000

■ 218.3392,

■ 0.0000, 0.7468,

276.1546, 116.4813

0.0000

263.9915,
330.2521, 148.4885

■ 0.0000, 0.0000,
0.0000

■ 34.8905, 51.1097,
8.0262

■ 34.8905, 51.1097,
8.0262

■ 34.8903, 51.1113,
8.0266

■ 36.0992, 51.7192,
8.7763

■ 37.5007, 52.4099,
10.2765

■ 39.1450, 53.2038,
12.7816

■ 41.0589, 54.1117,
16.4289

■ 43.2649, 55.1427,
21.3341

■ 45.7831, 56.3048,
27.5988

■ 48.6313, 57.6053,
35.3143

■ 51.8261, 59.0508,
44.5639

■ 55.3826, 60.6476,
55.4245

Harmonies

Analogous

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



49.2600, 51.1097, 5.3314



34.8905, 51.1097, 8.0262



26.2420, 51.1097, 20.6593

Triad

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



34.8905, 51.1097, 8.0262



33.9563, 51.1097, 174.5938



87.5553, 51.1097, 57.6160

Complementary

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



34.8905, 51.1097, 8.0262



12.9523, 5.3764, 59.3896

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.



80.9520, 51.1097, 117.0607



34.8905, 51.1097, 8.0262



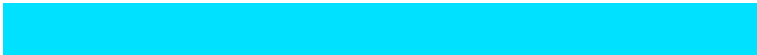
47.9028, 51.1097, 204.2102

Square

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



34.8905, 51.1097, 8.0262



25.7944, 51.1097, 111.6208



65.4460, 51.1097, 178.7922



81.9096, 51.1097, 22.4473

Rectangle

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



34.8905, 51.1097, 8.0262



23.6912, 51.1097, 39.8086



65.4460, 51.1097, 178.7922



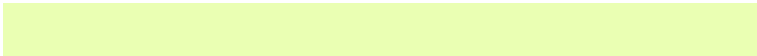
86.6723, 51.1097, 75.2183

Sweetspot

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



34.8917, 51.1120, 8.0273



77.7552, 92.2352, 56.0882



27.1102, 16.0193, 1.6639



16.2136, 19.5466, 10.8214



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.



34.8917, 51.1120, 8.0273



55.7120, 81.8057, 12.8537



23.5481, 45.2642, 7.4964



12.4727, 13.6271, 12.5850



22.0768, 32.2499, 5.0613



1.3088, 1.8416, 0.2865

Inverse Universe

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



12.9523, 5.3764, 59.3896



20.5924, 8.5307, 95.1690



25.5038, 11.8470, 59.9770



11.4649, 11.5730, 14.8732



8.2385, 3.4274, 37.4198



0.5379, 0.2315, 2.0959

Previews

White Background



This preview shows how the XYZ color 34.8905, 51.1097, 8.0262 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 34.8905, 51.1097, 8.0262 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 34.8905, 51.1097, 8.0262

Background



This preview shows how black text looks on a background with the XYZ color 34.8905, 51.1097, 8.0262.



This preview shows how white text looks on a background with the XYZ color 34.8905, 51.1097,

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

34.8905, 51.1097, 8.0262

Protanopia

45.6382, 50.5413, 7.3501

Deuteranopia

51.7462, 50.5638, 8.9519



Tritanopia

46.5970, 50.6884, 67.0024

Trichromacy



Original Color

34.8905, 51.1097, 8.0262

Protanomaly

40.9751, 50.4270, 7.5738

Deuteranomaly

43.8267, 49.5872, 8.1811

Tritanomaly

39.0314, 49.2798, 29.2846

Monochromacy



Original Color

34.8905, 51.1097, 8.0262

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.6226, 41.5619, 19.8858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8905, 51.1097, 8.0262 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(150, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 207, 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(150, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 207, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.8905, 51.1097, 8.0262 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(150, 207, 0) }
```


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

```
.border{ border-color:rgb(150, 207, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 207, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 207,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8905, 51.1097, 8.0262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 207, 0) }
```

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

```
.background{ background-color: rgb(150,  
207, 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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