

# Converting Colors

XYZ(34.8314, 52.5427, 8.3059)

Have a look what the booklet for  
XYZ(34.8314, 52.5427, 8.3059)  
contains.

<b>XYZ(34.7959, 52.5178, 8.3030)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.7959, 52.5178,  
8.3030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	90D300
RGB	144, 211, 0
RGB Percent	56%, 83%, 0%
CMY	0.4353, 0.1725, 0.9999
CMYK	0.32, 0.00, 1.00, 0.17
HSL	79°, 100%, 41%
HSV	79°, 100%, 83%
XYZ	34.7959, 52.5178, 8.3030
YIQ	166.9130, 27.7990, -79.8250

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">0, 211, 67</a>
Decimal	<a href="#">9491200</a>
CIELab	<a href="#">77.59, -45.72, 76.55</a>
CIELCh	<a href="#">78, 89.163, 120.847</a>
Yxy	<a href="#">52.5178, 0.3639, 0.5493</a>
Android (android.graphics.Color)	<a href="#">4287681280 (0xFF90D300)</a>
YUV	<a href="#">166.9130, -82.2881, -20.0947</a>
Hunter-Lab	<a href="#">72.4692, -41.1147, 43.9354</a>

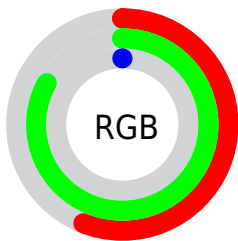
# Details

The XYZ color **34.7959, 52.5178, 8.3030** 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 **14.0755, 5.8983, 62.0276**, and the grayscale version is **37.0697, 39.0002, 42.4712**.

A 20% lighter version of the original color is **61.9888, 84.8566, 21.4993**, and **15.6348, 25.7082, 4.1381** is the 20% darker color. If you saturate the color by 10%, you get **34.7956, 52.5193, 8.3033**, and if you desaturate by 10%, it is **36.1390, 53.1961, 9.0788**.

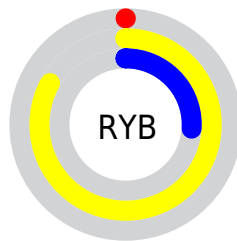
# Distribution



Red (56%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (26%)

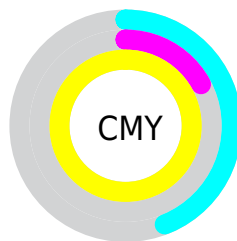


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (44%)

Magenta (17%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7959, 52.5178, 8.3030 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 34.7959, 52.5178, 8.3030 by changing the saturation by 10% instead.





 34.7959, 52.5178,  
8.3030


 34.7959, 52.5178,  
8.3030


315.1904,  
396.4324, 188.1121


 23.6715, 37.4180,  
4.1989


 66.5056, 93.8944,  
23.1062

 15.2135, 25.5313,  
1.7351


 87.8215, 120.9400,  
34.6425

 9.0567, 16.4733,  
0.3846


 113.2654,  
152.7363, 49.4931

 4.8356, 9.8597,  
0.0000

 143.2025,  
189.6678, 68.0768

 2.1849, 5.3060,  
0.0000

 177.9981,  
232.1187, 90.8120

 0.7347, 2.4279,  
0.0000

 218.0178,

 0.0000, 0.8402,

280.4735, 118.1172

0.0000

263.6267,  
335.1166, 150.4111

■ 0.0000, 0.0000,  
0.0000

■ 34.7959, 52.5178,  
8.3030

■ 34.7959, 52.5178,  
8.3030

■ 34.7956, 52.5193,  
8.3033

■ 36.1390, 53.1961,  
9.0788

■ 37.7006, 53.9682,  
10.6417

■ 39.5330, 54.8569,  
13.2555

■ 41.6645, 55.8736,  
17.0642

■ 44.1194, 57.0283,  
22.1895

■ 46.9189, 58.3294,  
28.7377

■ 50.0821, 59.7849,  
36.8045

■ 53.6268, 61.4018,  
46.4773

■ 57.5692, 63.1868,  
57.8369

# Harmonies

## Analogous

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



49.4287, 52.5178, 5.1242



34.7959, 52.5178, 8.3030



26.2313, 52.5178, 22.3205

# Triad

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



34.7959, 52.5178, 8.3030



35.4667, 52.5178, 186.3428



90.8646, 52.5178, 55.7926

# Complementary

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



34.7959, 52.5178, 8.3030



14.0755, 5.8983, 62.0276

# 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.



84.7612, 52.5178, 116.9049



34.7959, 52.5178, 8.3030



50.4077, 52.5178, 213.9769

# Square

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



34.7959, 52.5178, 8.3030



26.5513, 52.5178, 120.8597



68.8841, 52.5178, 183.2786



84.0664, 52.5178, 21.0487



# Rectangle

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



34.7959, 52.5178, 8.3030



23.8512, 52.5178, 43.3912



68.8841, 52.5178, 183.2786



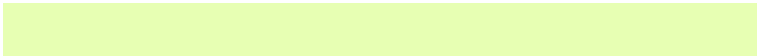
90.2432, 52.5178, 73.6253

# Sweetspot

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



34.7971, 52.5201, 8.3041



76.7059, 91.6943, 56.0391



28.8628, 17.8444, 1.9238



15.9620, 19.4169, 10.8096



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.



34.7971, 52.5201, 8.3041



53.2188, 80.5204, 12.7371



24.1211, 47.0164, 7.8045



12.4231, 13.6016, 12.5826



21.1086, 31.7508, 5.0160



1.2606, 1.8167, 0.2842



# Inverse Universe

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



14.0755, 5.8983, 62.0276



21.4421, 8.9687, 95.2087



28.8434, 13.5114, 62.7187



11.5120, 11.5973, 14.8754



8.5879, 3.6075, 37.4362



0.5621, 0.2439, 2.0970



# Previews

## White Background



This preview shows how the XYZ color 34.7959, 52.5178, 8.3030 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 34.7959, 52.5178, 8.3030 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 34.7959, 52.5178, 8.3030**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7959, 52.5178, 8.3030.



This preview shows how white text looks on a background with the XYZ color 34.7959, 52.5178,



# 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

34.7959, 52.5178, 8.3030

### Protanopia

46.6551, 51.7087, 7.5218

### Deuteranopia

52.8421, 51.7262, 9.2066



## Tritanopia

47.1406, 52.2327, 69.8847

# Trichromacy



## Original Color

34.7959, 52.5178, 8.3030

## Protanomaly

41.1803, 51.2070, 7.7135

## Deuteranomaly

44.2019, 50.7486, 8.3855

## Tritanomaly

39.1644, 50.6907, 30.6418

# Monochromacy



## Original Color

34.7959, 52.5178, 8.3030

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

33.8331, 42.2785, 20.0130

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7959, 52.5178, 8.3030 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(144, 211, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 211, 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(144, 211, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 211, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7959, 52.5178, 8.3030 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(144, 211, 0) }
```



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

```
.border{ border-color:rgb(144, 211, 0) }
```

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

Here you see how a box with a 4 pixel rgb(144, 211, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 211, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 211, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 211,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7959, 52.5178, 8.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 211, 0) }
```

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

```
.background{ background-color: rgb(144,  
211, 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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