

Converting Colors

XYZ(34.5493, 49.5572, 7.8086)

Have a look what the booklet for
XYZ(34.5493, 49.5572, 7.8086)
contains.

XYZ(34.5038, 49.4886, 7.7911)	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(34.5038, 49.4886,
7.7911)**

Conversions

Conversions Part 1

Format	Color
Hex	99CB02
RGB	153, 203, 2
RGB Percent	60%, 80%, 1%
CMY	0.4000, 0.2039, 0.9921
CMYK	0.25, 0.00, 0.99, 0.20
HSL	75°, 98%, 40%
HSV	75°, 99%, 80%
XYZ	34.5038, 49.4886, 7.7911
YIQ	165.1360, 34.7210, -73.1110

Conversions

Conversions Part 2

Format	Color
R _Y B	2, 203, 52
Decimal	10078978
CIE Lab	75.75, -38.81, 75.17
CIE LCh	76, 84.595, 117.310
Yxy	49.4886, 0.3759, 0.5392
Android (android.graphics.Color)	4288269058 (0xFF99CB02)
YUV	165.1360, -80.4260, -10.6433
Hunter-Lab	70.3481, -35.5600, 42.6773

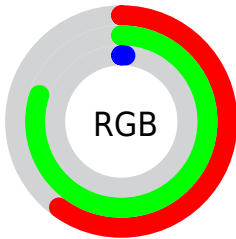
Details

The XYZ color **34.5038, 49.4886, 7.7911** 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 **12.2196, 5.0867, 56.8407**, and the grayscale version is **36.1944, 38.0793, 41.4684**.

A 20% lighter version of the original color is **64.5116, 86.1571, 21.6174**, and **15.5713, 23.9817, 3.8082** is the 20% darker color. If you saturate the color by 10%, you get **34.3991, 49.4375, 7.7294**, and if you desaturate by 10%, it is **35.6155, 50.0475, 8.5585**.

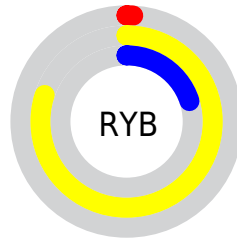
Distribution



Red (60%)

Green (80%)

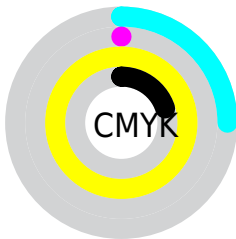
Blue (1%)



Red (1%)

Yellow (80%)

Blue (20%)

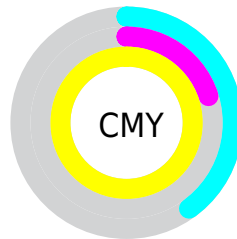


Cyan (25%)

Magenta (0%)

Yellow (99%)

Black (20%)



Cyan (40%)


Magenta (20%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5038, 49.4886, 7.7911 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 34.5038, 49.4886, 7.7911 by changing the saturation by 10% instead.


 34.5038, 49.4886,
7.7911


 34.5038, 49.4886,
7.7911


313.9192,
384.6627, 183.9572


 23.4456, 35.0072,
3.8757


 66.0555, 89.4167,
22.0873


 15.0454, 23.6684,
1.5574


 87.2796, 115.6322,
33.3051


 8.9378, 15.0879,
0.2602


 112.6232,
146.5279, 47.7942

 4.7574, 8.8811,
0.0000

 142.4515,
182.4881, 65.9731

 2.1389, 4.6637,
0.0000

 177.1299,
223.8974, 88.2603

 0.7102, 2.0513,
0.0000

 217.0238,

 0.0000, 0.6370,

271.1399, 115.0743

0.0000

262.4984,
324.6002, 146.8338

■ 0.0000, 0.0000,
0.0000

■ 34.5038, 49.4886,
7.7911

■ 34.5038, 49.4886,
7.7911

■ 34.3991, 49.4375,
7.7294

■ 35.6155, 50.0475,
8.5585

■ 36.9112, 50.6830,
10.0868

■ 38.4330, 51.4137,
12.5896

■ 40.2055, 52.2495,
16.1952

■ 42.2500, 53.1990,
21.0121

■ 44.5851, 54.2696,
27.1360

■ 47.2274, 55.4681,
34.6532

■ 50.1925, 56.8008,
43.6422

■ 53.4945, 58.2733,
54.1761

Harmonies

Analogous

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



48.4684, 49.4886, 5.4475



34.5038, 49.4886, 7.7911



25.9334, 49.4886, 19.3829

Triad

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



34.5038, 49.4886, 7.7911



32.5462, 49.4886, 164.2877



84.0883, 49.4886, 58.0447

Complementary

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



34.5038, 49.4886, 7.7911



12.2196, 5.0867, 56.8407

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.



77.2871, 49.4886, 115.3545



34.5038, 49.4886, 7.7911



45.6349, 49.4886, 194.5676

Square

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



34.5038, 49.4886, 7.7911



24.9925, 49.4886, 104.0708



62.2891, 49.4886, 172.9672



79.2766, 49.4886, 23.1590

Rectangle

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



34.5038, 49.4886, 7.7911



23.3085, 49.4886, 37.0382



62.2891, 49.4886, 172.9672



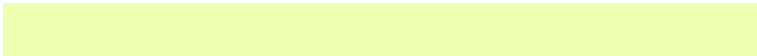
83.0555, 49.4886, 75.1927

Sweetspot

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



34.5049, 49.4908, 7.7922



78.4272, 92.5816, 56.1197



25.7359, 14.8914, 1.5760



16.3750, 19.6298, 10.8290



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.



34.5049, 49.4908, 7.7922



57.3857, 82.6685, 12.9321



22.9777, 43.5483, 7.2527



11.8706, 12.9507, 11.9535



21.9770, 31.5049, 4.9227



1.2003, 1.6596, 0.2571

Inverse Universe

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



12.2196, 5.0867, 56.8407



20.1284, 8.2915, 95.1473



23.2713, 10.7841, 57.3579



10.8589, 10.9766, 14.1167



7.7840, 3.2204, 36.1676



0.4730, 0.2030, 1.8692

Previews

White Background



This preview shows how the XYZ color 34.5038, 49.4886, 7.7911 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 34.5038, 49.4886, 7.7911 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 34.5038, 49.4886, 7.7911

Background



This preview shows how black text looks on a background with the XYZ color 34.5038, 49.4886, 7.7911.



This preview shows how white text looks on a background with the XYZ color 34.5038, 49.4886,

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

34.5038, 49.4886, 7.7911

Protanopia

44.3487, 49.2423, 7.1673

Deuteranopia

49.7909, 48.6767, 8.5215



Tritanopia

45.8913, 49.4128, 64.2456

Trichromacy



Original Color

34.5038, 49.4886, 7.7911

Protanomaly

40.0617, 48.9609, 7.3676

Deuteranomaly

42.9006, 48.1629, 7.8994

Tritanomaly

38.6984, 48.1148, 28.7202

Monochromacy



Original Color

34.5038, 49.4886, 7.7911

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.4196, 40.8579, 19.7606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5038, 49.4886, 7.7911 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(153, 203, 2)` looks like.

```
.text, #text, p{  
    color:rgb(153, 203, 2)  
}
```

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(153, 203, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 203, 2) }
```

Border

The CSS property to change the border of an element to XYZ 34.5038, 49.4886, 7.7911 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(153, 203, 2) }
```


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

```
.border{ border-color:rgb(153, 203, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 203, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 203, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 203, 2);  
box-shadow:4px 4px 4px 4px rgb(153, 203,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5038, 49.4886, 7.7911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 203, 2) }
```

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

```
.background{ background-color: rgb(153,  
203, 2) }
```

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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