

Converting Colors

XYZ(34.0735, 47.8494, 7.4404)

Have a look what the booklet for
XYZ(34.0735, 47.8494, 7.4404)
contains.

XYZ(34.1337, 47.9148, 7.4494)	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(34.1337, 47.9148,
7.4494)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC700
RGB	156, 199, 0
RGB Percent	61%, 78%, 0%
CMY	0.3882, 0.2196, 0.9999
CMYK	0.22, 0.00, 1.00, 0.22
HSL	73°, 100%, 39%
HSV	73°, 100%, 78%
XYZ	34.1337, 47.9148, 7.4494
YIQ	163.4570, 38.2510, -71.0050

Conversions

Conversions Part 2

Format	Color
RYB	0, 199, 43
Decimal	10274560
CIELab	74.77, -35.85, 74.70
CIELCh	75, 82.861, 115.639
Yxy	47.9148, 0.3814, 0.5354
Android (android.graphics.Color)	4288464640 (0xFF9CC700)
YUV	163.4570, -80.5843, -6.5398
Hunter-Lab	69.2205, -33.1148, 42.0737

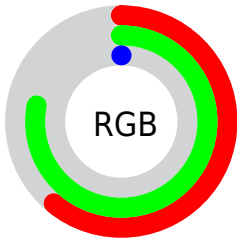
Details

The XYZ color **34.1337, 47.9148, 7.4494** 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 **11.3070, 4.6384, 54.3351**, and the grayscale version is **35.3885, 37.2314, 40.5450**.

A 20% lighter version of the original color is **65.3073, 86.5763, 21.2515**, and **15.2710, 22.9034, 3.6159** is the 20% darker color. If you saturate the color by 10%, you get **34.1338, 47.9165, 7.4498**, and if you desaturate by 10%, it is **35.1074, 48.4039, 8.1507**.

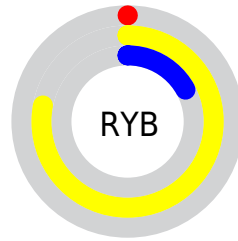
Distribution



Red (61%)

Green (78%)

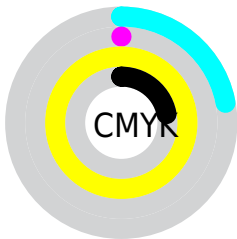
Blue (0%)



Red (0%)

Yellow (78%)

Blue (17%)

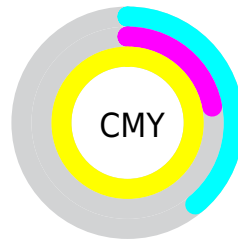


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (39%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1337, 47.9148, 7.4494 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 34.1337, 47.9148, 7.4494 by changing the saturation by 10% instead.


 34.1337, 47.9148,
7.4494


 34.1337, 47.9148,
7.4494


312.3032,
378.4543, 181.1175

 23.1597, 33.7594,
3.6620


 65.4844, 87.0775,
21.3998

 14.8328, 22.7088,
1.4418


 86.5919, 112.8537,
32.3999

 8.7877, 14.3787,
0.1740


 111.8079,
143.2722, 46.6414

 4.6590, 8.3845,
0.0000

 141.4978,
178.7175, 64.5427

 2.0813, 4.3420,
0.0000

 176.0269,
219.5740, 86.5224

 0.6790, 1.8666,
0.0000

 215.7606,

 0.0000, 0.5282,

266.2260, 112.9991

0.0000

261.0643,
319.0580, 144.3913

■ 0.0000, 0.0000,
0.0000

■ 34.1337, 47.9148,
7.4494

■ 34.1337, 47.9148,
7.4494

■ 34.1338, 47.9165,
7.4498

■ 35.1074, 48.4039,
8.1507

■ 36.2387, 48.9577,
9.5315

■ 37.5741, 49.5966,
11.8294

■ 39.1372, 50.3301,
15.1686

■ 40.9483, 51.1664,
19.6540

■ 43.0253, 52.1126,
25.3777

■ 45.3840, 53.1751,
32.4225

■ 48.0392, 54.3598,
40.8639

■ 51.0043, 55.6721,
50.7720

Harmonies

Analogous

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



47.7773, 47.9148, 5.4886



34.1337, 47.9148, 7.4494



25.5884, 47.9148, 17.9847

Triad

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



34.1337, 47.9148, 7.4494



31.0849, 47.9148, 154.8323



80.9140, 47.9148, 58.7292

Complementary

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



34.1337, 47.9148, 7.4494



11.3070, 4.6384, 54.3351

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.



73.8465, 47.9148, 114.3101



34.1337, 47.9148, 7.4494



43.3767, 47.9148, 186.0958

Square

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



34.1337, 47.9148, 7.4494



24.1193, 47.9148, 96.8699



59.2441, 47.9148, 168.2129



76.9250, 47.9148, 23.9016

Rectangle

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



34.1337, 47.9148, 7.4494



22.8685, 47.9148, 34.1986



59.2441, 47.9148, 168.2129



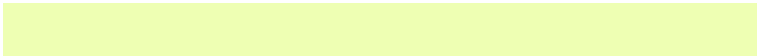
79.7165, 47.9148, 75.5417

Sweetspot

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



34.1348, 47.9170, 7.4504



79.2629, 93.0124, 56.1588



24.3073, 13.6482, 1.3538



16.5762, 19.7335, 10.8384



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.



34.1348, 47.9170, 7.4504



59.5494, 83.7839, 13.0333



22.2710, 41.8010, 6.8952



11.2909, 12.2969, 11.3412



22.0240, 30.8491, 4.7937



1.1003, 1.4903, 0.2297

Inverse Universe

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



11.3070, 4.6384, 54.3351



19.6317, 8.0354, 95.1240



21.0089, 9.6399, 54.7892



10.2674, 10.3961, 13.3830



7.3312, 3.0136, 34.9396



0.4105, 0.1753, 1.6574

Previews

White Background



This preview shows how the XYZ color 34.1337, 47.9148, 7.4494 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 34.1337, 47.9148, 7.4494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

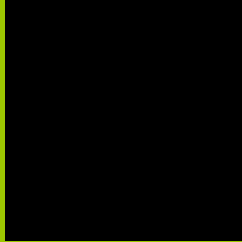
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1337, 47.9148, 7.4494

Background



This preview shows how black text looks on a background with the XYZ color 34.1337, 47.9148, 7.4494.



This preview shows how white text looks on a background with the XYZ color 34.1337, 47.9148,

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

34.1337, 47.9148, 7.4494

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.4095, 47.3884, 8.2645



Tritanopia

45.0079, 47.7523, 61.4885

Trichromacy



Original Color

34.1337, 47.9148, 7.4494

Protanomaly

38.9366, 47.0866, 7.0364

Deuteranomaly

41.9900, 46.7662, 7.6243

Tritanomaly

38.1806, 46.5747, 27.0562

Monochromacy



Original Color

34.1337, 47.9148, 7.4494

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.5212, 39.5237, 19.0115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1337, 47.9148, 7.4494 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(156, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 199, 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(156, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.1337, 47.9148, 7.4494 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(156, 199, 0) }
```


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

```
.border{ border-color:rgb(156, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1337, 47.9148, 7.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 199, 0) }
```

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

```
.background{ background-color: rgb(156,  
199, 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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