

Converting Colors

XYZ(35.4302, 49.7658, 7.7384)

Have a look what the booklet for
XYZ(35.4302, 49.7658, 7.7384)
contains.

| | |
|--|----|
| XYZ(35.4186, 49.6120, 7.7093) | 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(35.4186, 49.6120,
7.7093)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9FCA00 |
| RGB | 159, 202, 0 |
| RGB Percent | 62%, 79%, 0% |
| CMY | 0.3765, 0.2078, 0.9999 |
| CMYK | 0.21, 0.00, 1.00, 0.21 |
| HSL | 73°, 100%, 40% |
| HSV | 73°, 100%, 79% |
| XYZ | 35.4186, 49.6120, 7.7093 |
| YIQ | 166.1150, 39.2140, -71.9380 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 202, 43 |
| Decimal | 10471936 |
| CIELab | 75.83, -36.02, 75.59 |
| CIELCh | 76, 83.730, 115.476 |
| Yxy | 49.6120, 0.3819, 0.5350 |
| Android (android.graphics.Color) | 4288662016 (0xFF9FCA00) |
| YUV | 166.1150, -81.8947, -6.2399 |
| Hunter-Lab | 70.4358, -33.5040, 42.8157 |

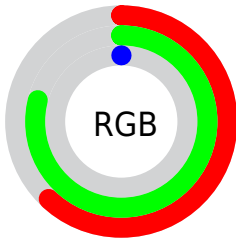
Details

The XYZ color **35.4186, 49.6120, 7.7093** 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 **11.6589, 4.7792, 56.1881**, and the grayscale version is **36.6742, 38.5841, 42.0181**.

A 20% lighter version of the original color is **66.2348, 87.0500, 21.4950**, and **16.0694, 24.0046, 3.7864** is the 20% darker color. If you saturate the color by 10%, you get **35.4186, 49.6137, 7.7096**, and if you desaturate by 10%, it is **36.4158, 50.1129, 8.4257**.

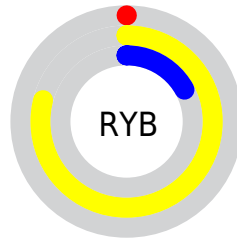
Distribution



Red (62%)

Green (79%)

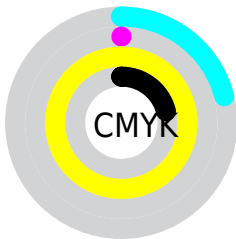
Blue (0%)



Red (0%)

Yellow (79%)

Blue (17%)

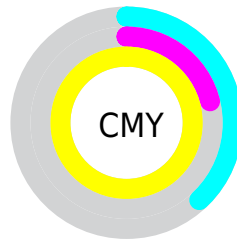


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (38%)

Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4186, 49.6120, 7.7093 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 35.4186, 49.6120, 7.7093 by changing the saturation by 10% instead.

35.4186, 49.6120,
7.7093

35.4186, 49.6120,
7.7093

317.8879,
385.1467, 183.2824

24.1535, 35.1052,
3.8244

67.4635, 89.5997,
21.9232

15.5729, 23.7439,
1.5295

88.9740, 115.8495,
33.0894

9.3114, 15.1438,
0.2398

114.6304,
146.7823, 47.5197

5.0036, 8.9204,
0.0000

144.7981,
182.7826, 65.6326

2.2841, 4.6893,
0.0000

179.8423,
224.2348, 87.8469

0.7865, 2.0661,
0.0000

220.1284,

0.0000, 0.6455,

271.5233, 114.5809

0.0000

266.0218,
325.0324, 146.2532

■ 0.0000, 0.0000,
0.0000

■ 35.4186, 49.6120,
7.7093

■ 35.4186, 49.6120,
7.7093

■ 35.4186, 49.6137,
7.7096

■ 36.4158, 50.1129,
8.4257

■ 37.5756, 50.6806,
9.8474

■ 38.9457, 51.3358,
12.2182

■ 40.5509, 52.0886,
15.6671

■ 42.4119, 52.9474,
20.3030

■ 44.5474, 53.9195,
26.2215

■ 46.9739, 55.0116,
33.5085

■ 49.7065, 56.2298,
42.2424

■ 52.7593, 57.5798,
52.4958

Harmonies

Analogous

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



49.5545, 49.6120, 5.7096



35.4186, 49.6120, 7.7093



26.5472, 49.6120, 18.5510

Triad

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



35.4186, 49.6120, 7.7093



32.1470, 49.6120, 159.8616



83.7192, 49.6120, 61.0642

Complementary

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



35.4186, 49.6120, 7.7093



11.6589, 4.7792, 56.1881

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.



76.3560, 49.6120, 118.6024



35.4186, 49.6120, 7.7093



44.8337, 49.6120, 192.4099

Square

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



35.4186, 49.6120, 7.7093



24.9704, 49.6120, 99.9043



61.2332, 49.6120, 174.2029



79.6570, 49.6120, 24.9049

Rectangle

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



35.4186, 49.6120, 7.7093



23.7134, 49.6120, 35.2511



61.2332, 49.6120, 174.2029



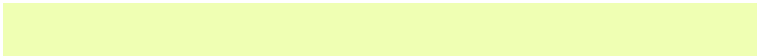
82.4601, 49.6120, 78.4876

Sweetspot

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



35.4197, 49.6142, 7.7103



79.3456, 93.0551, 56.1626



25.1316, 14.1033, 1.3983



16.5961, 19.7438, 10.8393



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.



35.4197, 49.6142, 7.7103



59.7684, 83.8968, 13.0436



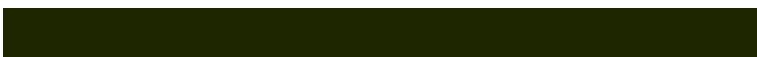
23.0228, 43.2234, 7.1302



11.9110, 12.9715, 11.9554



22.8673, 31.9638, 4.9644



1.2397, 1.6799, 0.2589

Inverse Universe

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



11.6589, 4.7792, 56.1881



19.5871, 8.0124, 95.1219



21.7159, 9.9637, 56.6587



10.8213, 10.9572, 14.1150



7.5631, 3.1064, 36.1573



0.4558, 0.1941, 1.8684

Previews

White Background



This preview shows how the XYZ color 35.4186, 49.6120, 7.7093 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 35.4186, 49.6120, 7.7093 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 35.4186, 49.6120, 7.7093

Background



This preview shows how black text looks on a background with the XYZ color 35.4186, 49.6120, 7.7093.



This preview shows how white text looks on a background with the XYZ color 35.4186, 49.6120,

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

35.4186, 49.6120, 7.7093

Protanopia

44.3487, 49.2423, 7.1673

Deuteranopia

50.3170, 49.2400, 8.6025



Tritanopia

46.6672, 49.5083, 63.5964

Trichromacy



Original Color

35.4186, 49.6120, 7.7093

Protanomaly

40.3355, 48.7756, 7.2887

Deuteranomaly

43.4559, 48.4492, 7.9254

Tritanomaly

39.6100, 48.2710, 27.9984

Monochromacy



Original Color

35.4186, 49.6120, 7.7093

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.8259, 41.0673, 19.7796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4186, 49.6120, 7.7093 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(159, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 202, 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(159, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 202, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.4186, 49.6120, 7.7093 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(159, 202, 0) }
```


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

```
.border{ border-color:rgb(159, 202, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 202, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 202,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4186, 49.6120, 7.7093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 202, 0) }
```

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

```
.background{ background-color: rgb(159,  
202, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor