

Converting Colors

XYZ(37.7911, 51.5362, 7.9557)

Have a look what the booklet for
XYZ(37.7911, 51.5362, 7.9557)
contains.

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Color

**XYZ(37.7413, 51.5106,
7.9534)**

Conversions

Conversions Part 1

Format	Color
Hex	A8CC00
RGB	168, 204, 0
RGB Percent	66%, 80%, 0%
CMY	0.3412, 0.2000, 0.9999
CMYK	0.18, 0.00, 1.00, 0.20
HSL	71°, 100%, 40%
HSV	71°, 100%, 80%
XYZ	37.7413, 51.5106, 7.9534
YIQ	169.9800, 44.0280, -71.0760

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 36
Decimal	11062272
CIELab	76.99, -33.30, 76.72
CIELCh	77, 83.635, 113.465
Yxy	51.5106, 0.3883, 0.5299
Android (android.graphics.Color)	4289252352 (0xFFA8CC00)
YUV	169.9800, -83.8001, -1.7365
Hunter-Lab	71.7709, -31.7334, 43.6693

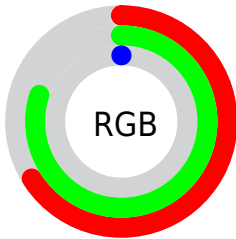
Details

The XYZ color **37.7413, 51.5106, 7.9534** 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 **11.6286, 4.7361, 57.4312**, and the grayscale version is **38.5906, 40.6003, 44.2137**.

A 20% lighter version of the original color is **69.0388, 88.4910, 21.8292**, and **17.4619, 25.1922, 3.9422** is the 20% darker color. If you saturate the color by 10%, you get **37.7414, 51.5124, 7.9537**, and if you desaturate by 10%, it is **38.6498, 51.9657, 8.6752**.

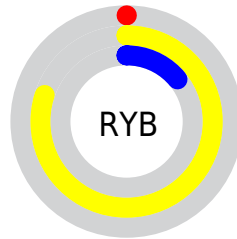
Distribution



Red (66%)

Green (80%)

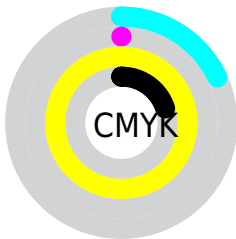
Blue (0%)



Red (0%)

Yellow (80%)

Blue (14%)

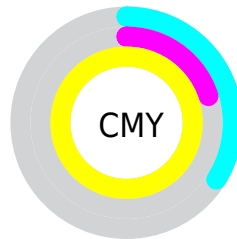


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (34%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7413, 51.5106, 7.9534 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 37.7413, 51.5106, 7.9534 by changing the saturation by 10% instead.

37.7413, 51.5106,
7.9534

37.7413, 51.5106,
7.9534

327.8090,
392.5443, 185.2870

25.9583, 36.6151,
3.9778

71.0179, 92.4091,
22.4117

16.9249, 24.9096,
1.6132

93.2422, 119.1809,
33.7315

10.2760, 16.0097,
0.3002

119.6776,
150.6802, 48.3364

5.6460, 9.5311,
0.0000

150.6895,
187.2916, 66.6450

2.6696, 5.0892,
0.0000

186.6432,
229.3992, 89.0758

0.9816, 2.2997,
0.0000

227.9041,

0.0000, 0.7735,

277.3877, 116.0474

0.0000

274.8376,
331.6412, 147.9783

■ 0.0000, 0.0000,
0.0000

■ 37.7413, 51.5106,
7.9534

■ 37.7413, 51.5106,
7.9534

■ 37.7414, 51.5124,
7.9537

■ 38.6498, 51.9657,
8.6752

■ 39.7157, 52.4843,
10.1192

■ 40.9872, 53.0877,
12.5337

■ 42.4897, 53.7859,
16.0508

■ 44.2445, 54.5877,
20.7822

■ 46.2703, 55.5003,
26.8258

■ 48.5840, 56.5307,
34.2696

■ 51.2011, 57.6851,
43.1940

■ 54.1357, 58.9690,
53.6732

Harmonies

Analogous

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



52.5309, 51.5106, 6.2697



37.7413, 51.5106, 7.9534



28.2315, 51.5106, 18.3804

Triad

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



37.7413, 51.5106, 7.9534



32.8864, 51.5106, 160.3050



86.1574, 51.5106, 66.6808

Complementary

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



37.7413, 51.5106, 7.9534



11.6286, 4.7361, 57.4312

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.



77.9447, 51.5106, 126.2475



37.7413, 51.5106, 7.9534



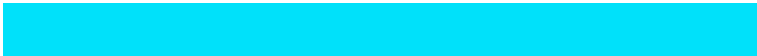
45.5534, 51.5106, 196.2953

Square

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



37.7413, 51.5106, 7.9534



25.8833, 51.5106, 98.8002



62.2053, 51.5106, 181.2776



82.7979, 51.5106, 27.8926

Rectangle

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



37.7413, 51.5106, 7.9534



25.0636, 51.5106, 34.6307



62.2053, 51.5106, 181.2776



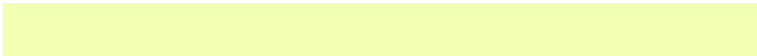
84.6096, 51.5106, 84.9595

Sweetspot

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



37.7425, 51.5129, 7.9545



80.2915, 93.5427, 56.2069



25.4760, 13.9835, 1.3571



16.8244, 19.8615, 10.8500



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.



37.7425, 51.5129, 7.9545



62.3349, 85.2199, 13.1637



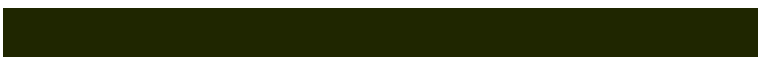
23.9794, 44.4178, 7.3104



11.9520, 12.9927, 11.9573



23.8243, 32.4572, 5.0092



1.2813, 1.7014, 0.2609

Inverse Universe

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



11.6286, 4.7361, 57.4312



19.1327, 7.7782, 95.1007



21.0552, 9.5957, 57.8723



10.7833, 10.9376, 14.1132



7.3740, 3.0090, 36.1484



0.4384, 0.1851, 1.8676

Previews

White Background



This preview shows how the XYZ color 37.7413, 51.5106, 7.9534 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 37.7413, 51.5106, 7.9534 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 37.7413, 51.5106, 7.9534

Background



This preview shows how black text looks on a background with the XYZ color 37.7413, 51.5106, 7.9534.



This preview shows how white text looks on a background with the XYZ color 37.7413, 51.5106,

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

37.7413, 51.5106, 7.9534

Protanopia

46.1450, 51.1231, 7.4356

Deuteranopia

52.2363, 51.1206, 8.7832



Tritanopia

49.4405, 51.5490, 65.1018

Trichromacy



Original Color

37.7413, 51.5106, 7.9534

Protanomaly

42.5411, 50.9005, 7.5826

Deuteranomaly

45.7928, 50.6032, 8.1645

Tritanomaly

42.1348, 50.2256, 28.5929

Monochromacy



Original Color

37.7413, 51.5106, 7.9534

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

35.7969, 42.9736, 20.5954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7413, 51.5106, 7.9534 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(168, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 204, 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(168, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7413, 51.5106, 7.9534 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(168, 204, 0) }
```


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

```
.border{ border-color:rgb(168, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7413, 51.5106, 7.9534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 204, 0) }
```

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

```
.background{ background-color: rgb(168,  
204, 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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