

Converting Colors

XYZ(38.0395, 51.6643, 7.9673)

Have a look what the booklet for
XYZ(38.0395, 51.6643, 7.9673)
contains.

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Color

**XYZ(37.9551, 51.6207,
7.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CC00
RGB	169, 204, 0
RGB Percent	66%, 80%, 0%
CMY	0.3373, 0.2000, 0.9999
CMYK	0.17, 0.00, 1.00, 0.20
HSL	70°, 100%, 40%
HSV	70°, 100%, 80%
XYZ	37.9551, 51.6207, 7.9634
YIQ	170.2790, 44.6240, -70.8640

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 35
Decimal	11127808
CIELab	77.05, -32.90, 76.80
CIELCh	77, 83.547, 113.187
Yxy	51.6207, 0.3891, 0.5292
Android (android.graphics.Color)	4289317888 (0xFFA9CC00)
YUV	170.2790, -83.9475, -1.1217
Hunter-Lab	71.8475, -31.4365, 43.7217

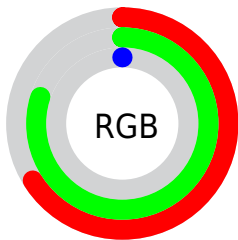
Details

The XYZ color **37.9551, 51.6207, 7.9634** 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 **11.5941, 4.7183, 57.4294**, and the grayscale version is **38.7411, 40.7587, 44.3862**.

A 20% lighter version of the original color is **69.3551, 88.6541, 21.8441**, and **17.5884, 25.2574, 3.9482** is the 20% darker color. If you saturate the color by 10%, you get **37.9552, 51.6225, 7.9637**, and if you desaturate by 10%, it is **38.8475, 52.0675, 8.6845**.

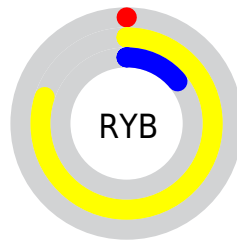
Distribution



Red (66%)

Green (80%)

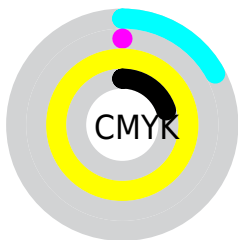
Blue (0%)



Red (0%)

Yellow (80%)

Blue (14%)

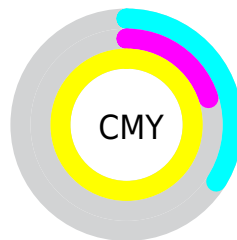


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (34%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9551, 51.6207, 7.9634 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 37.9551, 51.6207, 7.9634 by changing the saturation by 10% instead.

37.9551, 51.6207,
7.9634

37.9551, 51.6207,
7.9634

328.7115,
392.9705, 185.3685

26.1249, 36.7028,
3.9841

71.3437, 92.5716,
22.4316

17.0503, 24.9775,
1.6166

93.6327, 119.3734,
33.7577

10.3659, 16.0603,
0.3026

120.1388,
150.9054, 48.3697

5.7063, 9.5668,
0.0000

151.2272,
187.5518, 66.6862

2.7063, 5.1127,
0.0000

187.2633,
229.6972, 89.1259

1.0004, 2.3135,
0.0000

228.6125,

0.0000, 0.7809,

277.7258, 116.1071

0.0000

275.6401,
332.0221, 148.0485

■ 0.0000, 0.0000,
0.0000

■ 37.9551, 51.6207,
7.9634

■ 37.9551, 51.6207,
7.9634

■ 37.9552, 51.6225,
7.9637

■ 38.8475, 52.0675,
8.6845

■ 39.8961, 52.5772,
10.1277

■ 41.1492, 53.1711,
12.5413

■ 42.6321, 53.8593,
16.0575

■ 44.3662, 54.6503,
20.7880

■ 46.3701, 55.5516,
26.8306

■ 48.6606, 56.5701,
34.2733

■ 51.2534, 57.7119,
43.1966

■ 54.1624, 58.9827,
53.6746

Harmonies

Analogous

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



52.7916, 51.6207, 6.3306



37.9551, 51.6207, 7.9634



28.3837, 51.6207, 18.3017

Triad

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



37.9551, 51.6207, 7.9634



32.8902, 51.6207, 159.8847



86.2376, 51.6207, 67.2790

Complementary

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



37.9551, 51.6207, 7.9634



11.5941, 4.7183, 57.4294

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.



77.9309, 51.6207, 126.9451



37.9551, 51.6207, 7.9634



45.5160, 51.6207, 196.2446

Square

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



37.9551, 51.6207, 7.9634



25.9327, 51.6207, 98.3521



62.1529, 51.6207, 181.7214



82.9877, 51.6207, 28.2376

Rectangle

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



37.9551, 51.6207, 7.9634



25.1779, 51.6207, 34.4418



62.1529, 51.6207, 181.7214



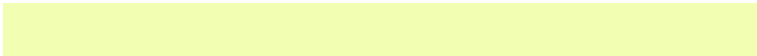
84.6540, 51.6207, 85.6215

Sweetspot

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



37.9563, 51.6230, 7.9645



80.4201, 93.6090, 56.2129



25.4760, 13.9834, 1.3571



16.8555, 19.8775, 10.8514



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.



37.9563, 51.6230, 7.9645



62.6926, 85.4042, 13.1804



23.9794, 44.4177, 7.3104



11.9576, 12.9955, 11.9576



23.9575, 32.5258, 5.0154



1.2871, 1.7043, 0.2611

Inverse Universe

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



11.5941, 4.7183, 57.4294



19.0785, 7.7502, 95.0981



21.0552, 9.5957, 57.8721



10.7782, 10.9350, 14.1130



7.3512, 2.9972, 36.1473



0.4361, 0.1839, 1.8675

Previews

White Background



This preview shows how the XYZ color 37.9551, 51.6207, 7.9634 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 37.9551, 51.6207, 7.9634 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 37.9551, 51.6207, 7.9634

Background



This preview shows how black text looks on a background with the XYZ color 37.9551, 51.6207, 7.9634.



This preview shows how white text looks on a background with the XYZ color 37.9551, 51.6207,

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

37.9551, 51.6207, 7.9634

Protanopia

46.1450, 51.1231, 7.4356

Deuteranopia

52.2363, 51.1206, 8.7832



Tritanopia

49.4405, 51.5490, 65.1018

Trichromacy



Original Color

37.9551, 51.6207, 7.9634

Protanomaly

42.8038, 51.0360, 7.5949

Deuteranomaly

46.0838, 50.7532, 8.1781

Tritanomaly

42.1348, 50.2256, 28.5929

Monochromacy



Original Color

37.9551, 51.6207, 7.9634

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.0123, 43.0847, 20.6055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9551, 51.6207, 7.9634 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(169, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.9551, 51.6207, 7.9634 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(169, 204, 0) }
```


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

```
.border{ border-color:rgb(169, 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(169, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9551, 51.6207, 7.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 204, 0) }
```

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

```
.background{ background-color: rgb(169,  
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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