

Converting Colors

XYZ(36.3278, 48.9149, 4.1147)

Have a look what the booklet for
XYZ(36.3278, 48.9149, 4.1147)
contains.

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Color

**XYZ(36.9887, 49.0461,
7.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC600
RGB	171, 198, 0
RGB Percent	67%, 78%, 0%
CMY	0.3294, 0.2235, 0.9999
CMYK	0.14, 0.00, 1.00, 0.22
HSL	68°, 100%, 39%
HSV	68°, 100%, 78%
XYZ	36.9887, 49.0461, 7.5173
YIQ	167.3550, 47.4660, -67.3020

Conversions

Conversions Part 2

Format	Color
RYB	0, 198, 27
Decimal	11257344
CIELab	75.48, -29.26, 75.68
CIELCh	75, 81.138, 111.142
Yxy	49.0461, 0.3954, 0.5243
Android (android.graphics.Color)	4289447424 (0xFFABC600)
YUV	167.3550, -82.5060, 3.1967
Hunter-Lab	70.0329, -28.2808, 42.6589

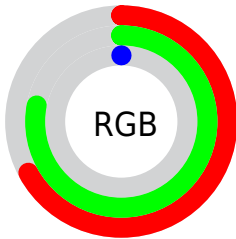
Details

The XYZ color **36.9887, 49.0461, 7.5173** 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 **10.6465, 4.3113, 53.7001**, and the grayscale version is **37.2804, 39.2219, 42.7126**.

A 20% lighter version of the original color is **69.9545, 88.9675, 21.6691**, and **16.9127, 23.5239, 3.6492** is the 20% darker color. If you saturate the color by 10%, you get **36.9891, 49.0480, 7.5177**, and if you desaturate by 10%, it is **37.7088, 49.4046, 8.2021**.

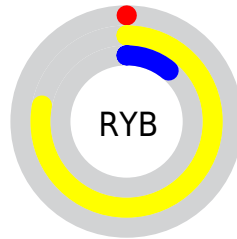
Distribution



Red (67%)

Green (78%)

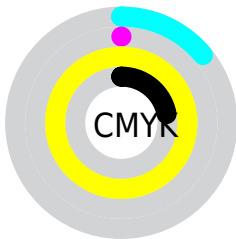
Blue (0%)



Red (0%)

Yellow (78%)

Blue (11%)

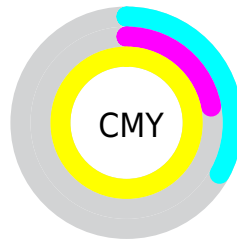


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9887, 49.0461, 7.5173 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 36.9887, 49.0461, 7.5173 by changing the saturation by 10% instead.


 36.9887, 49.0461,
7.5173


 36.9887, 49.0461,
7.5173


324.6180,
382.9238, 181.6862


 25.3724, 34.6561,
3.7044


 69.8693, 88.7599,
21.5369

 16.4849, 23.3980,
1.4646


 91.8644, 114.8525,
32.5806

 9.9610, 14.8877,
0.1913


 118.0497,
145.6147, 46.8717

 5.4351, 8.7406,
0.0000

 148.7907,
181.4309, 64.8287

 2.5421, 4.5724,
0.0000

 184.4526,
222.6855, 86.8701

 0.9165, 1.9986,
0.0000

 225.4009,

 0.0000, 0.6067,

269.7629, 113.4145

0.0000

272.0009,
323.0475, 144.8803

■ 0.0000, 0.0000,
0.0000

■ 36.9887, 49.0461,
7.5173

■ 36.9887, 49.0461,
7.5173

■ 36.9891, 49.0480,
7.5177

■ 37.7088, 49.4046,
8.2021

■ 38.5672, 49.8180,
9.5571

■ 39.6096, 50.3065,
11.8179

■ 40.8595, 50.8793,
15.1070

■ 42.3365, 51.5444,
19.5281

■ 44.0580, 52.3087,
25.1720

■ 46.0396, 53.1785,
32.1206

■ 48.2955, 54.1595,
40.4485

■ 50.8389, 55.2569,
50.2247

Harmonies

Analogous

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



51.1901, 49.0461, 6.3486



36.9887, 49.0461, 7.5173



27.6067, 49.0461, 16.5886

Triad

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



36.9887, 49.0461, 7.5173



30.7926, 49.0461, 146.7226



81.2241, 49.0461, 67.1258

Complementary

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



36.9887, 49.0461, 7.5173



10.6465, 4.3113, 53.7001

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.



72.8084, 49.0461, 123.5945



36.9887, 49.0461, 7.5173



42.3244, 49.0461, 183.2418

Square

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



36.9887, 49.0461, 7.5173



24.5981, 49.0461, 88.9854



57.7857, 49.0461, 173.0527



78.9381, 49.0461, 28.8513

Rectangle

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



36.9887, 49.0461, 7.5173



24.3429, 49.0461, 30.9478



57.7857, 49.0461, 173.0527



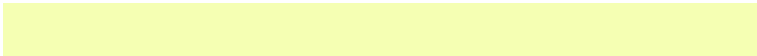
79.4967, 49.0461, 84.7169

Sweetspot

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



36.9898, 49.0483, 7.5183



81.3509, 94.0888, 56.2565



23.6689, 12.7640, 1.2168



17.0806, 19.9936, 10.8620



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.



36.9898, 49.0483, 7.5183



65.3411, 86.7696, 13.3044



22.9139, 41.7920, 6.8596



11.3761, 12.3408, 11.3452



24.1069, 31.9229, 4.8912



1.1818, 1.5323, 0.2335

Inverse Universe

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



10.6465, 4.3113, 53.7001



18.7358, 7.5735, 95.0821



18.7114, 8.4689, 54.0775



10.1890, 10.3557, 13.3793



6.9655, 2.8251, 34.9225



0.3748, 0.1570, 1.6557

Previews

White Background



This preview shows how the XYZ color 36.9887, 49.0461, 7.5173 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 36.9887, 49.0461, 7.5173 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 36.9887, 49.0461, 7.5173

Background



This preview shows how black text looks on a background with the XYZ color 36.9887, 49.0461, 7.5173.



This preview shows how white text looks on a background with the XYZ color 36.9887, 49.0461,

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

36.9887, 49.0461, 7.5173

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.7458, 48.6586, 8.2835



Tritanopia

47.6990, 48.8436, 60.9466

Trichromacy



Original Color

36.9887, 49.0461, 7.5173

Protanomaly

40.9191, 48.4290, 7.1911

Deuteranomaly

44.1493, 48.1878, 7.7333

Tritanomaly

41.0844, 47.7513, 27.1302

Monochromacy



Original Color

36.9887, 49.0461, 7.5173

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

34.6704, 41.2062, 19.7619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9887, 49.0461, 7.5173 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(171, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 198, 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(171, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.9887, 49.0461, 7.5173 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(171, 198, 0) }
```


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

```
.border{ border-color:rgb(171, 198, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 198, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 198,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9887, 49.0461, 7.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 198, 0) }
```

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

```
.background{ background-color: rgb(171,  
198, 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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