

Converting Colors

XYZ(36.1523, 48.4046, 7.4376)

Have a look what the booklet for
XYZ(36.1523, 48.4046, 7.4376)
contains.

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Color

**XYZ(36.1147, 48.2573,
7.4112)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C500
RGB	168, 197, 0
RGB Percent	66%, 77%, 0%
CMY	0.3412, 0.2274, 0.9999
CMYK	0.15, 0.00, 1.00, 0.23
HSL	69°, 100%, 39%
HSV	69°, 100%, 77%
XYZ	36.1147, 48.2573, 7.4112
YIQ	165.8710, 45.9530, -67.4150

Conversions

Conversions Part 2

Format	Color
RYB	0, 197, 29
Decimal	11060480
CIELab	74.99, -30.04, 75.21
CIELCh	75, 80.991, 111.770
Yxy	48.2573, 0.3935, 0.5258
Android (android.graphics.Color)	4289250560 (0xFFA8C500)
YUV	165.8710, -81.7744, 1.8671
Hunter-Lab	69.4675, -28.7696, 42.3018

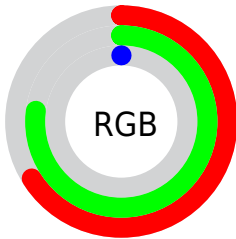
Details

The XYZ color **36.1147, 48.2573, 7.4112** 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 **10.5864, 4.2936, 53.0970**, and the grayscale version is **36.5528, 38.4564, 41.8790**.

A 20% lighter version of the original color is **68.6434, 87.8237, 21.3164**, and **16.3780, 23.0244, 3.5809** is the 20% darker color. If you saturate the color by 10%, you get **36.1149, 48.2591, 7.4115**, and if you desaturate by 10%, it is **36.8640, 48.6309, 8.0928**.

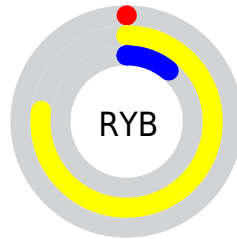
Distribution



Red (66%)

Green (77%)

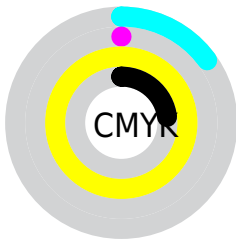
Blue (0%)



Red (0%)

Yellow (77%)

Blue (11%)

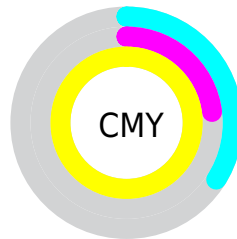


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (34%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1147, 48.2573, 7.4112 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 36.1147, 48.2573, 7.4112 by changing the saturation by 10% instead.


 36.1147, 48.2573,
7.4112


 36.1147, 48.2573,
7.4112


320.8841,
379.8111, 180.7966


 24.6933, 34.0307,
3.6382


 68.5318, 87.5874,
21.3226

 15.9762, 22.9172,
1.4291


 90.2582, 113.4596,
32.2981


 9.5981, 14.5324,
0.1642


 116.1503,
143.9826, 46.5115

 5.1935, 8.4919,
0.0000

 146.5735,
179.5406, 64.3814

 2.3972, 4.4113,
0.0000

 181.8931,
220.5180, 86.3263

 0.8437, 1.9062,
0.0000

 222.4745,

 0.0000, 0.5521,

267.2993, 112.7648

0.0000

268.6831,
320.2689, 144.1154

■ 0.0000, 0.0000,
0.0000

■ 36.1147, 48.2573,
7.4112

■ 36.1147, 48.2573,
7.4112

■ 36.1149, 48.2591,
7.4115

■ 36.8640, 48.6309,
8.0928

■ 37.7519, 49.0598,
9.4364

■ 38.8237, 49.5639,
11.6754

■ 40.1024, 50.1524,
14.9308

■ 41.6075, 50.8331,
19.3049

■ 43.3563, 51.6128,
24.8876

■ 45.3640, 52.4978,
31.7595

■ 47.6448, 53.4937,
39.9944

■ 50.2117, 54.6057,
49.6604

Harmonies

Analogous

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



50.0563, 48.2573, 6.1454



36.1147, 48.2573, 7.4112



26.9705, 48.2573, 16.5591

Triad

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



36.1147, 48.2573, 7.4112



30.4340, 48.2573, 145.9033



80.1304, 48.2573, 65.0761

Complementary

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



36.1147, 48.2573, 7.4112



10.5864, 4.2936, 53.0970

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.



72.0059, 48.2573, 120.7081



36.1147, 48.2573, 7.4112



41.9184, 48.2573, 181.2524

Square

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



36.1147, 48.2573, 7.4112



24.2150, 48.2573, 88.8751



57.2339, 48.2573, 170.1499



77.6414, 48.2573, 27.7716

Rectangle

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



36.1147, 48.2573, 7.4112



23.8250, 48.2573, 30.9754



57.2339, 48.2573, 170.1499



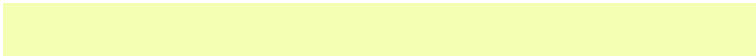
78.4972, 48.2573, 82.3365

Sweetspot

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



36.1158, 48.2595, 7.4122



81.0627, 93.9403, 56.2430



23.4032, 12.6226, 1.2036



17.0109, 19.9576, 10.8587



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.



36.1158, 48.2595, 7.4122



64.5096, 86.3410, 13.2655



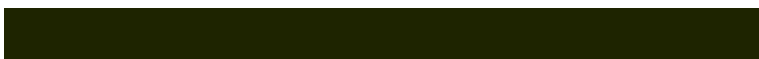
22.6587, 41.3221, 6.7824



11.3645, 12.3348, 11.3446



23.8084, 31.7690, 4.8772



1.1703, 1.5264, 0.2329

Inverse Universe

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



10.5864, 4.2936, 53.0970



18.8328, 7.6235, 95.0866



18.5040, 8.3753, 53.4675



10.1996, 10.3612, 13.3798



7.0062, 2.8461, 34.9244



0.3797, 0.1595, 1.6559

Previews

White Background



This preview shows how the XYZ color 36.1147, 48.2573, 7.4112 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 36.1147, 48.2573, 7.4112 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 36.1147, 48.2573, 7.4112

Background



This preview shows how black text looks on a background with the XYZ color 36.1147, 48.2573, 7.4112.



This preview shows how white text looks on a background with the XYZ color 36.1147, 48.2573,

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

36.1147, 48.2573, 7.4112

Protanopia

43.3614, 48.1078, 7.0003

Deuteranopia

48.8974, 47.9312, 8.1879



Tritanopia

46.6550, 48.0115, 60.2342

Trichromacy



Original Color

36.1147, 48.2573, 7.4112

Protanomaly

40.1899, 47.7326, 7.0951

Deuteranomaly

43.3728, 47.4802, 7.6377

Tritanomaly

40.1092, 46.9378, 26.6846

Monochromacy



Original Color

36.1147, 48.2573, 7.4112

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.2600, 40.7004, 19.6859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1147, 48.2573, 7.4112 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, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 197, 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, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.1147, 48.2573, 7.4112 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, 197, 0) }
```


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

```
.border{ border-color:rgb(168, 197, 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, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 197,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1147, 48.2573, 7.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 197, 0) }
```

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

```
.background{ background-color: rgb(168,  
197, 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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