

# Converting Colors

XYZ(36.9436, 49.2157, 4.9177)

Have a look what the booklet for  
XYZ(36.9436, 49.2157, 4.9177)  
contains.

<b>XYZ(37.4277, 49.2724, 7.5379)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(37.4277, 49.2724,  
7.5379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADC600
RGB	173, 198, 0
RGB Percent	68%, 78%, 0%
CMY	0.3216, 0.2235, 0.9999
CMYK	0.13, 0.00, 1.00, 0.22
HSL	68°, 100%, 39%
HSV	68°, 100%, 78%
XYZ	37.4277, 49.2724, 7.5379
YIQ	167.9530, 48.6580, -66.8780

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">0, 198, 25</a>
Decimal	<a href="#">11388416</a>
CIELab	<a href="#">75.62, -28.43, 75.84</a>
CIElCh	<a href="#">76, 80.998, 110.550</a>
Yxy	<a href="#">49.2724, 0.3972, 0.5229</a>
Android (android.graphics.Color)	<a href="#">4289578496</a> ( <a href="#">0xFFADC600</a> )
YUV	<a href="#">167.9530, -82.8008, 4.4262</a>
Hunter-Lab	<a href="#">70.1943, -27.6636, 42.7691</a>

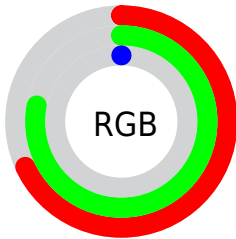
# Details

The XYZ color **37.4277, 49.2724, 7.5379** 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 **10.5955, 4.2850, 53.6977**, and the grayscale version is **37.5759, 39.5328, 43.0512**.

A 20% lighter version of the original color is **70.6000, 89.3003, 21.6993**, and **17.1757, 23.6595, 3.6615** is the 20% darker color. If you saturate the color by 10%, you get **37.4280, 49.2743, 7.5382**, and if you desaturate by 10%, it is **38.1116, 49.6123, 8.2211**.

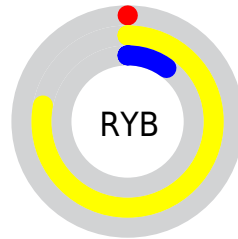
# Distribution



Red (68%)

Green (78%)

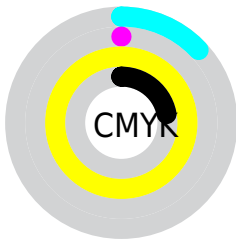
Blue (0%)



Red (0%)

Yellow (78%)

Blue (10%)

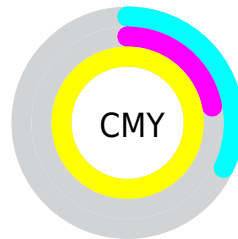


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (32%)

Magenta (22%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4277, 49.2724, 7.5379 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 37.4277, 49.2724, 7.5379 by changing the saturation by 10% instead.





 37.4277, 49.2724,  
7.5379


 37.4277, 49.2724,  
7.5379


326.4820,  
383.8137, 181.8583

 25.7140, 34.8356,  
3.7172


 70.5397, 89.0959,  
21.5784

 16.7414, 23.5363,  
1.4715


 92.6687, 115.2514,  
32.6354


 10.1444, 14.9900,  
0.1966


 119.0001,  
146.0819, 46.9415

 5.5578, 8.8124,  
0.0000

 149.8994,  
181.9719, 64.9153

 2.6162, 4.6190,  
0.0000

 185.7319,  
223.3056, 86.9753

 0.9542, 2.0255,  
0.0000

 226.8629,

 0.0000, 0.6222,

270.4676, 113.5402

0.0000

273.6578,  
323.8421, 145.0283

■ 0.0000, 0.0000,  
0.0000

■ 37.4277, 49.2724,  
7.5379

■ 37.4277, 49.2724,  
7.5379

■ 37.4280, 49.2743,  
7.5382

■ 38.1116, 49.6123,  
8.2211

■ 38.9322, 50.0062,  
9.5744

■ 39.9352, 50.4743,  
11.8334

■ 41.1438, 51.0259,  
15.1207

■ 42.5779, 51.6688,  
19.5399

■ 44.2547, 52.4101,  
25.1819

■ 46.1899, 53.2559,  
32.1284

■ 48.3975, 54.2121,  
40.4541

■ 50.8909, 55.2837,  
50.2282

# Harmonies

## Analogous

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



51.7244, 49.2724, 6.4756



37.4277, 49.2724, 7.5379



27.9189, 49.2724, 16.4403

# Triad

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



37.4277, 49.2724, 7.5379



30.8045, 49.2724, 145.9360



81.3957, 49.2724, 68.3724

# Complementary

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



37.4277, 49.2724, 7.5379



10.5955, 4.2850, 53.6977

# 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.



72.7931, 49.2724, 125.0282



37.4277, 49.2724, 7.5379



42.2581, 49.2724, 183.1739

# Square

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



37.4277, 49.2724, 7.5379



24.6998, 49.2724, 88.1446



57.6926, 49.2724, 173.9653



79.3282, 49.2724, 29.5819



# Rectangle

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



37.4277, 49.2724, 7.5379



24.5765, 49.2724, 30.5937



57.6926, 49.2724, 173.9653



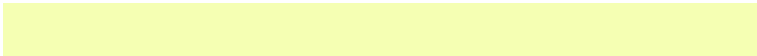
79.5972, 49.2724, 86.0891

# Sweetspot

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



37.4288, 49.2747, 7.5389



81.6204, 94.2278, 56.2691



23.5989, 12.6241, 1.1936



17.1459, 20.0273, 10.8650



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.



37.4288, 49.2747, 7.5389



66.1277, 87.1751, 13.3412



23.1692, 41.9235, 6.8716



11.3870, 12.3464, 11.3457



24.3892, 32.0684, 4.9044



1.1927, 1.5380, 0.2340



# Inverse Universe

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



10.5955, 4.2850, 53.6977



18.6521, 7.5304, 95.0782



18.2358, 8.2237, 54.0553



10.1791, 10.3506, 13.3789



6.9299, 2.8067, 34.9209



0.3703, 0.1546, 1.6555



# Previews

## White Background



This preview shows how the XYZ color 37.4277, 49.2724, 7.5379 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 37.4277, 49.2724, 7.5379 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 37.4277, 49.2724, 7.5379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4277, 49.2724, 7.5379.



This preview shows how white text looks on a background with the XYZ color 37.4277, 49.2724,



# 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

37.4277, 49.2724, 7.5379

### Protanopia

44.1372, 48.8194, 7.0968

### Deuteranopia

50.0750, 48.8283, 8.2989



## Tritanopia

48.1883, 49.0959, 60.9695

# Trichromacy



## Original Color

37.4277, 49.2724, 7.5379

## Protanomaly

41.4394, 48.6972, 7.2154

## Deuteranomaly

44.4367, 48.3360, 7.7468

## Tritanomaly

41.5568, 47.9948, 27.1523

# Monochromacy



## Original Color

37.4277, 49.2724, 7.5379

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

35.3515, 41.8478, 20.1241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4277, 49.2724, 7.5379 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(173, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 198, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4277, 49.2724, 7.5379 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(173, 198, 0) }
```



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

```
.border{ border-color:rgb(173, 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(173, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 198,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4277, 49.2724, 7.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 198, 0) }
```

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

```
.background{ background-color: rgb(173,  
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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