

# Converting Colors

XYZ(34.2126, 40.9993, 7.5583)

Have a look what the booklet for  
XYZ(34.2126, 40.9993, 7.5583)  
contains.

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# Color

**XYZ(34.1281, 40.9012,  
7.5348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1B121
RGB	177, 177, 33
RGB Percent	69%, 69%, 13%
CMY	0.3059, 0.3059, 0.8706
CMYK	0.00, 0.00, 0.81, 0.31
HSL	60°, 69%, 41%
HSV	60°, 81%, 69%
XYZ	34.1281, 40.9012, 7.5348
YIQ	160.5840, 46.2240, -44.7840

# Conversions

## Conversions Part 2

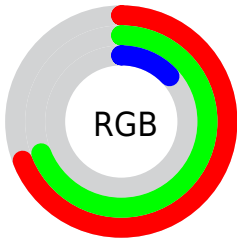
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 177, 33
Decimal	11645217
CIELab	70.11, -15.77, 66.35
CIELCh	70, 68.197, 103.369
Yxy	40.9012, 0.4134, 0.4954
Android (android.graphics.Color)	4289835297 (0xFFB1B121)
YUV	160.5840, -62.8989, 14.3968
Hunter-Lab	63.9540, -16.6658, 37.7825

# Details

The XYZ color **34.1281, 40.9012, 7.5348** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.1079, 4.5861, 42.0027**, and the grayscale version is **33.9518, 35.7199, 38.8990**.

A 20% lighter version of the original color is **65.4245, 76.3364, 21.6421**, and **15.0793, 18.6603, 2.8070** is the 20% darker color. If you saturate the color by 10%, you get **33.9427, 40.8286, 6.5552**, and if you desaturate by 10%, it is **34.4457, 41.0298, 9.2023**.

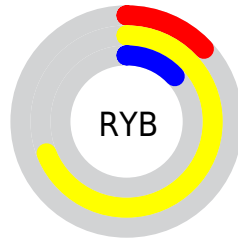
# Distribution



Red (69%)

Green (69%)

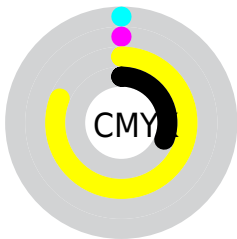
Blue (13%)



Red (13%)

Yellow (69%)

Blue (13%)

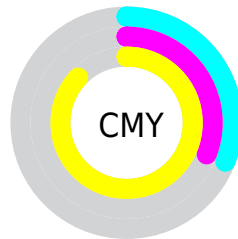


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1281, 40.9012, 7.5348 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 34.1281, 40.9012, 7.5348 by changing the saturation by 10% instead.



■ 34.1281, 40.9012,  
7.5348

■ 34.1281, 40.9012,  
7.5348

312.2787,  
349.9075, 181.8325

■ 23.1554, 28.2419,  
3.7153

■ 65.4758, 76.5339,  
21.5722

■ 14.8296, 18.5081,  
1.4705

■ 86.5815, 100.2761,  
32.6271

■ 8.7854, 11.3154,  
0.1958

■ 111.7955,  
128.4813, 46.9310

■ 4.6575, 6.2794,  
0.0000

■ 141.4833,  
161.5340, 64.9023

■ 2.0804, 3.0157,  
0.0000

■ 176.0102,  
199.8186, 86.9595

■ 0.6785, 1.1399,  
0.0000

■ 215.7414,

■ 0.0000, 0.0118,

243.7195, 113.5213

0.0000

261.0425,  
293.6210, 145.0061

■ 0.0000, 0.0000,  
0.0000

■ 34.1281, 40.9012,  
7.5348

■ 34.1281, 40.9012,  
7.5348

■ 33.9427, 40.8286,  
6.5552

■ 34.4457, 41.0298,  
9.2023

■ 33.8541, 40.7931,  
6.0896

■ 34.9106, 41.2158,  
11.6498

■ 35.5390, 41.4671,  
14.9578

■ 36.3440, 41.7892,  
19.1964

■ 37.3377, 42.1867,  
24.4282

■ 38.5309, 42.6640,  
30.7107

■ 39.9337, 43.2251,  
38.0967

■ 41.5554, 43.8738,  
46.6355

■ 43.4048, 44.6136,  
56.3737

# Harmonies

## Analogous

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



45.3370, 40.9012, 7.8149



34.1281, 40.9012, 7.5348



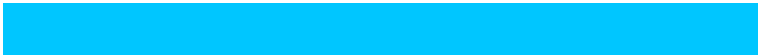
25.9386, 40.9012, 13.1597

# Triad

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



34.1281, 40.9012, 7.5348



25.2854, 40.9012, 101.3697



63.2355, 40.9012, 64.5108

# Complementary

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



34.1281, 40.9012, 7.5348



9.1079, 4.5861, 42.0027

# 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.



55.5255, 40.9012, 105.7060



34.1281, 40.9012, 7.5348



33.0588, 40.9012, 133.0194

# Square

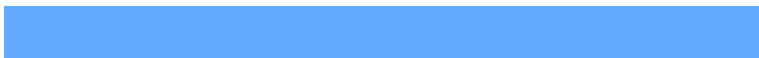
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.1281, 40.9012, 7.5348



21.5315, 40.9012, 60.2851



44.0436, 40.9012, 134.9041



63.6733, 40.9012, 31.7981



# Rectangle

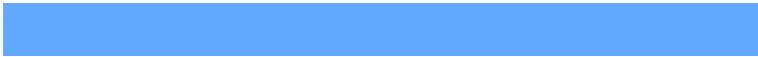
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.1281, 40.9012, 7.5348



22.6935, 40.9012, 22.3001



44.0436, 40.9012, 134.9041



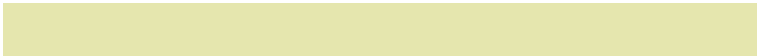
61.3500, 40.9012, 78.0980

# Sweetspot

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



34.1290, 40.9031, 7.5356



68.3111, 76.1282, 51.3532



18.9512, 10.5456, 2.4760



14.6425, 16.4335, 10.2781



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.1290, 40.9031, 7.5356



60.6531, 73.0647, 11.0380



21.8241, 34.5597, 6.9598



9.1971, 9.9067, 9.0800



24.5270, 29.5542, 4.4118



0.7717, 0.9299, 0.1388



# Inverse Universe

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



9.1079, 4.5861, 42.0027



14.3202, 5.8144, 74.8628



14.3067, 7.2662, 42.2460



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527



# Previews

## White Background



This preview shows how the XYZ color 34.1281, 40.9012, 7.5348 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 34.1281, 40.9012, 7.5348 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 34.1281, 40.9012, 7.5348**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1281, 40.9012, 7.5348.



This preview shows how white text looks on a background with the XYZ color 34.1281, 40.9012,



# 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

34.1281, 40.9012, 7.5348

### Protanopia

37.0056, 40.9468, 7.3196

### Deuteranopia

41.3449, 40.4478, 7.7259



## Tritanopia

42.2301, 40.8160, 47.7720

# Trichromacy



## Original Color

34.1281, 40.9012, 7.5348

## Protanomaly

35.8903, 40.9412, 7.3773

## Deuteranomaly

38.2560, 40.1949, 7.5758

## Tritanomaly

37.6568, 40.0469, 25.1471

# Monochromacy



## Original Color

34.1281, 40.9012, 7.5348

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

32.7923, 37.0678, 21.3461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1281, 40.9012, 7.5348 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(177, 177, 33)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 33)  
}
```

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(177, 177, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 33) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1281, 40.9012, 7.5348 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(177, 177, 33) }
```



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

```
.border{ border-color:rgb(177, 177, 33) }
```

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

Here you see how a box with a 4 pixel rgb(177, 177, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 33);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
33) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1281, 40.9012, 7.5348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 33) }
```

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

```
.background{ background-color: rgb(177,  
177, 33) }
```

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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