

# Converting Colors

XYZ(32.8252, 40.5448, 7.0710)

Have a look what the booklet for  
XYZ(32.8252, 40.5448, 7.0710)  
contains.

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# Color

**XYZ(32.9014, 40.5733,  
7.0746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABB21A
RGB	171, 178, 26
RGB Percent	67%, 70%, 10%
CMY	0.3294, 0.3019, 0.8980
CMYK	0.04, 0.00, 0.85, 0.30
HSL	63°, 75%, 40%
HSV	63°, 85%, 70%
XYZ	32.9014, 40.5733, 7.0746
YIQ	158.5790, 44.6200, -48.7560

# Conversions

## Conversions Part 2

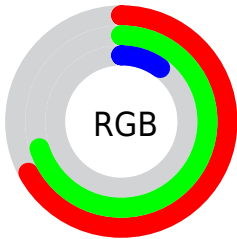
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 178, 33
Decimal	11252250
CIE <sub>Lab</sub>	69.88, -19.08, 67.66
CIE <sub>LCh</sub>	70, 70.298, 105.752
Yxy	40.5733, 0.4085, 0.5037
Android (android.graphics.Color)	4289442330 (0xFFABB21A)
YUV	158.5790, -65.3614, 10.8932
Hunter-Lab	63.6972, -19.2697, 38.0029

# Details

The XYZ color **32.9014, 40.5733, 7.0746** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.0336, 4.2773, 42.4715**, and the grayscale version is **33.0382, 34.7587, 37.8523**.

A 20% lighter version of the original color is **63.8174, 76.3732, 20.6105**, and **14.4003, 18.4991, 2.8117** is the 20% darker color. If you saturate the color by 10%, you get **32.5826, 40.4267, 6.3216**, and if you desaturate by 10%, it is **33.3461, 40.7734, 8.4766**.

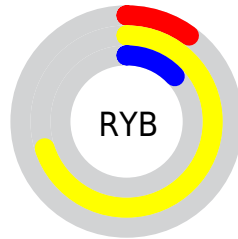
# Distribution



Red (67%)

Green (70%)

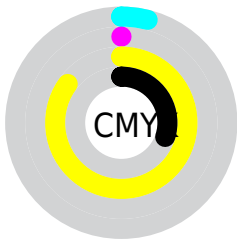
Blue (10%)



Red (10%)

Yellow (70%)

Blue (13%)

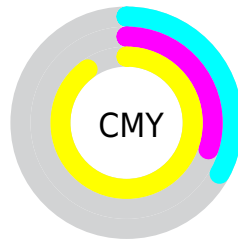


Cyan (4%)

Magenta (0%)

Yellow (85%)

Black (30%)



Cyan (33%)

Magenta (30%)


Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9014, 40.5733, 7.0746 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 32.9014, 40.5733, 7.0746 by changing the saturation by 10% instead.




 32.9014, 40.5733,  
7.0746


 32.9014, 40.5733,  
7.0746


306.8781,  
348.5341, 177.9365

 22.2098, 27.9858,  
3.4296


 63.5773, 76.0357,  
20.6386

 14.1286, 18.3150,  
1.3180


 84.2922, 99.6795,  
31.3946


 8.2925, 11.1764,  
0.0765

 109.0791,  
127.7774, 45.3582


 4.3360, 6.1856,  
0.0000

 138.3031,  
160.7140, 62.9477

 1.8939, 2.9583,  
0.0000

 172.3296,  
198.8735, 84.5817

 0.5733, 1.1100,  
0.0000

 211.5240,

 0.0000, 0.0000,

242.6404, 110.6789

0.0000

256.2517,  
292.3992, 141.6576

■ 32.9014, 40.5733,  
7.0746

■ 32.9014, 40.5733,  
7.0746

■ 32.5826, 40.4267,  
6.3216

■ 33.3461, 40.7734,  
8.4766

■ 32.4558, 40.3665,  
6.0809

■ 33.9343, 41.0295,  
10.6324

■ 34.6832, 41.3501,  
13.6290

■ 35.6071, 41.7407,  
17.5408

■ 36.7185, 42.2065,  
22.4343

■ 38.0288, 42.7520,  
28.3697

■ 39.5486, 43.3814,  
35.4022

■ 41.2877, 44.0986,  
43.5833

■ 43.2551, 44.9073,  
52.9613

# Harmonies

## Analogous

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



44.2282, 40.5733, 6.9494



32.9014, 40.5733, 7.0746



24.8691, 40.5733, 13.2102

# Triad

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



32.9014, 40.5733, 7.0746



25.1746, 40.5733, 106.3193



64.0197, 40.5733, 61.5451

# Complementary

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



32.9014, 40.5733, 7.0746



9.0336, 4.2773, 42.4715

# 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.



56.5405, 40.5733, 104.2367



32.9014, 40.5733, 7.0746



33.4048, 40.5733, 137.5374

# Square

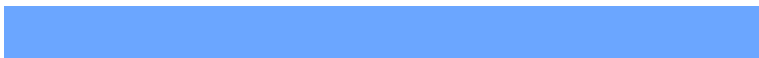
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.9014, 40.5733, 7.0746



21.0470, 40.5733, 63.5556



44.8410, 40.5733, 136.6284



63.8108, 40.5733, 29.2026



# Rectangle

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



32.9014, 40.5733, 7.0746



21.7994, 40.5733, 23.0463



44.8410, 40.5733, 136.6284



62.2658, 40.5733, 75.3868

# Sweetspot

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



32.9023, 40.5752, 7.0754



68.6890, 77.4114, 50.2090



19.0397, 10.5241, 2.0056



15.0317, 17.0730, 10.2754



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



32.9023, 40.5752, 7.0754



58.7976, 73.1693, 11.0241



21.0313, 34.4554, 6.5199



9.1576, 9.8863, 9.0781



23.2361, 28.8887, 4.3514



0.7429, 0.9150, 0.1375



# Inverse Universe

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



9.0336, 4.2773, 42.4715



14.7066, 5.8981, 76.7445



14.4782, 7.0841, 42.7263



8.0770, 8.2482, 10.6727



5.8380, 2.3454, 30.2820



0.1956, 0.0799, 0.9534



# Previews

## White Background



This preview shows how the XYZ color 32.9014, 40.5733, 7.0746 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 32.9014, 40.5733, 7.0746 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 32.9014, 40.5733, 7.0746**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.9014, 40.5733, 7.0746.



This preview shows how white text looks on a background with the XYZ color 32.9014, 40.5733,



# 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

32.9014, 40.5733, 7.0746

### Protanopia

36.4660, 40.3982, 6.7398

### Deuteranopia

41.2786, 40.4213, 7.3767



## Tritanopia

41.3013, 40.5944, 48.3065

# Trichromacy



## Original Color

32.9014, 40.5733, 7.0746

## Protanomaly

35.0787, 40.5326, 6.8944

## Deuteranomaly

37.8303, 40.2572, 7.2154

## Tritanomaly

36.5403, 39.7632, 24.4881

# Monochromacy



## Original Color

32.9014, 40.5733, 7.0746

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

31.6097, 36.2067, 20.3615

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.9014, 40.5733, 7.0746 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, 178, 26)` looks like.

```
.text, #text, p{  
    color:rgb(171, 178, 26)  
}
```

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, 178, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 178, 26) }
```

## Border

The CSS property to change the border of an element to XYZ 32.9014, 40.5733, 7.0746 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, 178, 26) }
```



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

```
.border{ border-color:rgb(171, 178, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 178, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 178, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 178, 26);  
box-shadow:4px 4px 4px 4px rgb(171, 178,  
26) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.9014, 40.5733, 7.0746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 178, 26) }
```

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

```
.background{ background-color: rgb(171,  
178, 26) }
```

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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