

# Converting Colors

XYZ(34.8287, 46.7039, 21.8723)

Have a look what the booklet for  
XYZ(34.8287, 46.7039, 21.8723)  
contains.

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# Color

**XYZ(34.7240, 46.5456,  
21.9059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95C36E
RGB	149, 195, 110
RGB Percent	58%, 76%, 43%
CMY	0.4157, 0.2353, 0.5686
CMYK	0.24, 0.00, 0.44, 0.24
HSL	92°, 41%, 60%
HSV	92°, 44%, 76%
XYZ	34.7240, 46.5456, 21.9059
YIQ	171.5560, -0.1310, -36.1870

# Conversions

## Conversions Part 2

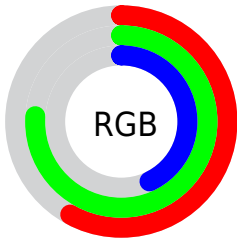
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 195, 156
Decimal	9814894
CIELab	73.90, -30.05, 37.81
CIELCh	74, 48.296, 128.484
Yxy	46.5456, 0.3366, 0.4511
Android (android.graphics.Color)	4288004974 (0xFF95C36E)
YUV	171.5560, -30.3471, -19.7816
Hunter-Lab	68.2243, -28.5418, 28.7198

# Details

The XYZ color **34.7240, 46.5456, 21.9059** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.1386, 22.1613, 54.3742**, and the grayscale version is **39.1378, 41.1760, 44.8407**.

A 20% lighter version of the original color is **66.5981, 85.2443, 47.5940**, and **15.1644, 21.8628, 7.6957** is the 20% darker color. If you saturate the color by 10%, you get **31.9382, 45.2204, 16.8303**, and if you desaturate by 10%, it is **37.9203, 48.0583, 28.2221**.

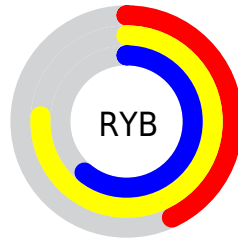
# Distribution



Red (58%)

Green (76%)

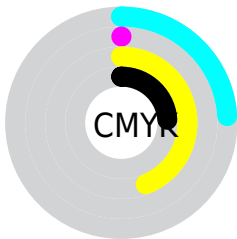
Blue (43%)



Red (43%)

Yellow (76%)

Blue (61%)

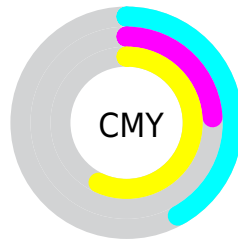


Cyan (24%)

Magenta (0%)

Yellow (44%)

Black (24%)



Cyan (42%)

Magenta (24%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7240, 46.5456, 21.9059 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 34.7240, 46.5456, 21.9059 by changing the saturation by 10% instead.





 34.7240, 46.5456,  
21.9059


 34.7240, 46.5456,  
21.9059


314.8778,  
372.9978, 274.9919


 23.6159, 32.6766,  
13.5901


 66.3948, 85.0349,  
47.4906


 15.1721, 21.8788,  
7.7007


 87.6882, 110.4241,  
65.5966

 9.0274, 13.7679,  
3.8190

 113.1074,  
140.4220, 87.8031

 4.8163, 7.9594,  
1.5266

 143.0178,  
175.4132, 114.5287

 2.1735, 4.0690,  
0.2376

177.7846,  
215.7819, 146.1918

 0.7287, 1.7122,  
0.0000

217.7733,

 0.0000, 0.4316,

261.9127, 183.2110

0.0000

263.3493,  
314.1899, 226.0049

■ 0.0000, 0.0000,  
0.0000

■ 34.7240, 46.5456,  
21.9059

■ 34.7240, 46.5456,  
21.9059

■ 31.9382, 45.2204,  
16.8303

■ 37.9203, 48.0583,  
28.2221

■ 29.5394, 44.0680,  
12.9106

■ 41.5421, 49.7603,  
35.8503

■ 27.5064, 43.0811,  
10.0559


■ 45.6079, 51.6611,  
44.8601


■ 25.8143, 42.2490,  
8.1608


■ 50.1338, 53.7676,  
55.3152


■ 24.4337, 41.5593,  
7.0980


■ 55.1353, 56.0864,  
67.2753

 23.6807, 41.1792,  
6.7003

 60.6267, 58.6237,  
80.7968

 66.6221, 61.3857,  
95.9334

 71.3114, 63.6486,  
103.1346

 74.8693, 65.4827,  
103.3011

# Harmonies

## Analogous

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



41.8443, 46.5456, 16.7808



34.7240, 46.5456, 21.9059



30.5664, 46.5456, 35.2151

# Triad

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



34.7240, 46.5456, 21.9059



38.4464, 46.5456, 108.7642



62.7008, 46.5456, 44.0072

# Complementary

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



34.7240, 46.5456, 21.9059



29.1386, 22.1613, 54.3742

# 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.



61.4828, 46.5456, 70.1167



34.7240, 46.5456, 21.9059



46.7258, 46.5456, 113.4603

# Square

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



34.7240, 46.5456, 21.9059



32.5137, 46.5456, 86.2474



55.3532, 46.5456, 97.5449



58.4933, 46.5456, 26.5461



# Rectangle

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



34.7240, 46.5456, 21.9059



29.6788, 46.5456, 49.4372



55.3532, 46.5456, 97.5449



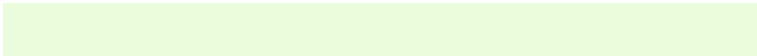
62.9222, 46.5456, 51.9439

# Sweetspot

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



34.7252, 46.5476, 21.9069



81.9795, 92.6607, 81.0191



37.0989, 36.2835, 19.8006



17.5769, 20.1164, 16.8940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

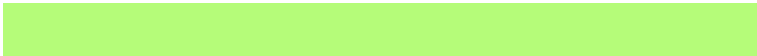


# Same Dimension

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



34.7252, 46.5476, 21.9069



57.5645, 81.1611, 30.7775



28.9182, 43.5359, 22.4535



10.3737, 11.4801, 10.7310



15.4851, 26.8117, 4.3590



0.7484, 1.1994, 0.1921



# Inverse Universe

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



29.1386, 22.1613, 54.3742



46.2957, 32.0101, 96.2083



37.6164, 26.5684, 53.1142



10.0374, 10.0104, 12.6880



10.3276, 4.5845, 33.8972



0.5250, 0.2387, 1.4683



# Previews

## White Background



This preview shows how the XYZ color 34.7240, 46.5456, 21.9059 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 34.7240, 46.5456, 21.9059 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 34.7240, 46.5456, 21.9059**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7240, 46.5456, 21.9059.



This preview shows how white text looks on a background with the XYZ color 34.7240, 46.5456,



# 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

34.7240, 46.5456, 21.9059

### Protanopia

42.3624, 46.0734, 20.0249

### Deuteranopia

46.9515, 46.0304, 22.6298



## Tritanopia

42.5581, 46.5028, 60.7657

# Trichromacy



## Original Color

34.7240, 46.5456, 21.9059

## Protanomaly

39.0351, 45.8826, 20.7088

## Deuteranomaly

41.4968, 45.5775, 22.2330

## Tritanomaly

39.0773, 46.3533, 43.4467

# Monochromacy



## Original Color

34.7240, 46.5456, 21.9059

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

37.0559, 42.7050, 34.7236

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7240, 46.5456, 21.9059 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(149, 195, 110)` looks like.

```
.text, #text, p{  
    color:rgb(149, 195, 110)  
}
```

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(149, 195, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 195, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7240, 46.5456, 21.9059 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(149, 195, 110) }
```



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

```
.border{ border-color:rgb(149, 195, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 195, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 195, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 195, 110);  
box-shadow:4px 4px 4px 4px rgb(149, 195,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7240, 46.5456, 21.9059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 195, 110) }
```

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

```
.background{ background-color: rgb(149,  
195, 110) }
```

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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