

# Converting Colors

XYZ(46.4559, 54.6397, 35.5919)

Have a look what the booklet for  
XYZ(46.4559, 54.6397, 35.5919)  
contains.

<b>XYZ(46.3946, 54.6619, 35.7093)</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(46.3946, 54.6619,  
35.7093)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B9CA93
RGB	185, 202, 147
RGB Percent	73%, 79%, 58%
CMY	0.2745, 0.2078, 0.4235
CMYK	0.08, 0.00, 0.27, 0.21
HSL	79°, 34%, 68%
HSV	79°, 27%, 79%
XYZ	46.3946, 54.6619, 35.7093
YIQ	190.6470, 7.5230, -20.7090

# Conversions

## Conversions Part 2

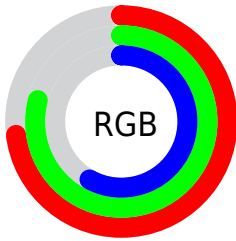
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 202, 164
Decimal	12176019
CIELab	78.85, -15.14, 25.60
CIELCh	79, 29.744, 120.590
Yxy	54.6619, 0.3392, 0.3997
Android (android.graphics.Color)	4290366099 (0xFFB9CA93)
YUV	190.6470, -21.5180, -4.9524
Hunter-Lab	73.9337, -17.3723, 23.1170

# Details

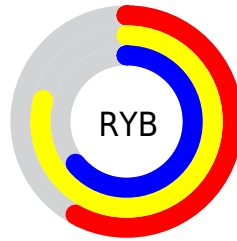
The XYZ color **46.3946, 54.6619, 35.7093** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.4063, 33.0257, 60.3358**, and the grayscale version is **49.4356, 52.0101, 56.6390**.

A 20% lighter version of the original color is **82.5782, 94.4378, 69.1343**, and **22.0613, 26.8496, 15.0861** is the 20% darker color. If you saturate the color by 10%, you get **43.4735, 53.3250, 28.0123**, and if you desaturate by 10%, it is **49.6631, 56.1490, 44.8777**.

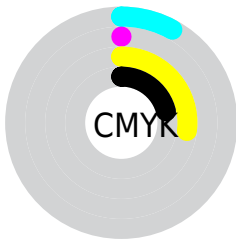
# Distribution



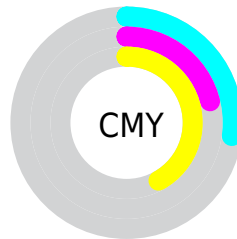
- Red (73%)
- Green (79%)
- Blue (58%)



- Red (58%)
- Yellow (79%)
- Blue (64%)



- Cyan (8%)
- Magenta (0%)
- Yellow (27%)
- Black (21%)




- Cyan (27%)
- Magenta (21%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3946, 54.6619, 35.7093 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 46.3946, 54.6619, 35.7093 by changing the saturation by 10% instead.





 46.3946, 54.6619,  
35.7093

 46.3946, 54.6619,  
35.7093


363.0822,  
404.6290, 342.6871

 32.7633, 39.1311,  
23.9219


 84.0335, 97.0454,  
69.7471

 22.1035, 26.8617,  
15.0640


 108.7718,  
124.6669, 92.8346

 14.0500, 17.4694,  
8.7172


137.9430,  
157.0874, 120.5258

 8.2374, 10.5697,  
4.4629

171.9127,  
194.6913, 153.2393

 4.3003, 5.7783,  
1.8826

211.0461,  
237.8631, 191.3936

 1.8734, 2.7107,  
0.4816

255.7086,

 0.5613, 0.9827,

286.9870, 235.4074

0.0000

306.2655,  
342.4475, 285.6990

■ 0.0000, 0.0000,  
0.0000

■ 46.3946, 54.6619,  
35.7093

■ 46.3946, 54.6619,  
35.7093

■ 43.4735, 53.3250,  
28.0123

■ 49.6631, 56.1490,  
44.8777

■ 40.8801, 52.1250,  
21.7066

■ 53.2891, 57.7851,  
55.5851

■ 38.5992, 51.0574,  
16.7096

■ 57.2875, 59.5779,  
67.8992

■ 36.6123, 50.1147,  
12.9287

■ 61.6708, 61.5326,  
81.8826

■ 34.8986, 49.2886,  
10.2590

■ 66.4511, 63.6542,  
97.5945

■ 33.4339, 48.5692,  
8.5782

■ 69.4401, 65.0673,  
103.5071

■ 32.1855, 47.9434,  
7.7184

■ 71.3940, 66.0745,  
103.5985

■ 31.8621, 47.7802,  
7.5432

■ 73.4195, 67.1187,  
103.6933

■ 75.5174, 68.2002,  
103.7915

# Harmonies

## Analogous

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



51.8377, 54.6619, 32.5907



46.3946, 54.6619, 35.7093



42.6887, 54.6619, 44.9516

# Triad

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



46.3946, 54.6619, 35.7093



46.5825, 54.6619, 92.5290



64.1390, 54.6619, 59.1835

# Complementary

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



46.3946, 54.6619, 35.7093



36.4063, 33.0257, 60.3358

# Split Complementary

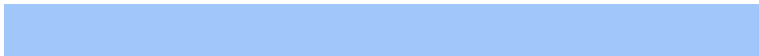
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.4725, 54.6619, 76.9322



46.3946, 54.6619, 35.7093



52.0714, 54.6619, 98.2577

# Square

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



46.3946, 54.6619, 35.7093



42.7913, 54.6619, 77.6221



57.9417, 54.6619, 92.0806



62.3405, 54.6619, 44.4726



# Rectangle

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



46.3946, 54.6619, 35.7093



41.5508, 54.6619, 54.3641



57.9417, 54.6619, 92.0806



63.9642, 54.6619, 64.9867

# Sweetspot

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



46.3960, 54.6643, 35.7105



89.6554, 97.5785, 92.4038



42.8117, 41.0371, 33.2691



18.9827, 20.7925, 19.1572



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

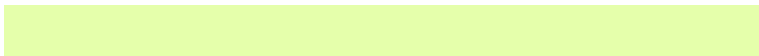


# Same Dimension

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



46.3960, 54.6643, 35.7105



75.4048, 91.1101, 52.0649



40.4893, 51.6193, 35.4340



11.8033, 12.9160, 11.9504



20.5966, 30.7932, 4.8581



1.1381, 1.6275, 0.2542



# Inverse Universe

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



36.4063, 33.0257, 60.3358



55.5752, 48.1413, 100.9708



42.5822, 36.2094, 60.6249



10.9226, 11.0094, 14.1197



8.2374, 3.4541, 36.1888

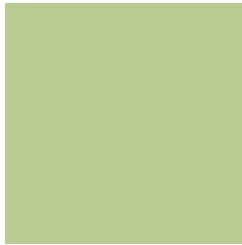


0.5031, 0.2185, 1.8706



# Previews

## White Background



This preview shows how the XYZ color 46.3946, 54.6619, 35.7093 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 46.3946, 54.6619, 35.7093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

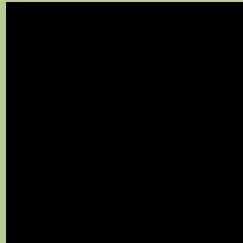
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.3946, 54.6619, 35.7093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.3946, 54.6619, 35.7093.



This preview shows how white text looks on a background with the XYZ color 46.3946, 54.6619,



# 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

46.3946, 54.6619, 35.7093

### Protanopia

50.8436, 54.5991, 34.2445

### Deuteranopia

55.5884, 54.4007, 36.4247



## Tritanopia

53.0485, 54.6564, 68.0754

# Trichromacy



## Original Color

46.3946, 54.6619, 35.7093

## Protanomaly

49.1243, 54.7119, 34.7594

## Deuteranomaly

51.7150, 54.0153, 36.1341

## Tritanomaly

50.3150, 54.5540, 54.3325

# Monochromacy



## Original Color

46.3946, 54.6619, 35.7093

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

48.2392, 52.9442, 48.2342

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3946, 54.6619, 35.7093 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(185, 202, 147)` looks like.

```
.text, #text, p{  
    color:rgb(185, 202, 147)  
}
```

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(185, 202, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 202, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3946, 54.6619, 35.7093 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(185, 202, 147) }
```



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

```
.border{ border-color:rgb(185, 202, 147) }
```

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

Here you see how a box with a 4 pixel rgb(185, 202, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 202, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 202, 147);  
box-shadow:4px 4px 4px 4px rgb(185, 202,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.3946, 54.6619, 35.7093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 202, 147) }
```

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

```
.background{ background-color: rgb(185,  
202, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor