

# Converting Colors

XYZ(46.4253, 49.5785, 39.1827)

Have a look what the booklet for  
XYZ(46.4253, 49.5785, 39.1827)  
contains.

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# Color

**XYZ(46.3618, 49.5771,  
39.0241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3BB9D
RGB	195, 187, 157
RGB Percent	76%, 73%, 62%
CMY	0.2353, 0.2666, 0.3843
CMYK	0.00, 0.04, 0.19, 0.24
HSL	47°, 24%, 69%
HSV	47°, 19%, 76%
XYZ	46.3618, 49.5771, 39.0241
YIQ	185.9720, 14.3980, -7.6340

# Conversions

## Conversions Part 2

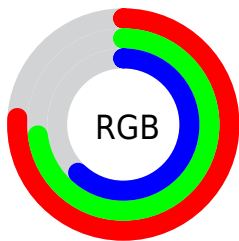
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 195, 157
Decimal	12827549
CIELab	75.81, -2.14, 16.23
CIELCh	76, 16.366, 97.507
Yxy	49.5771, 0.3435, 0.3673
Android (android.graphics.Color)	4291017629 (0xFFC3BB9D)
YUV	185.9720, -14.2832, 7.9176
Hunter-Lab	70.4110, -5.6868, 16.4272

# Details

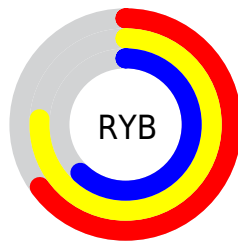
The XYZ color **46.3618, 49.5771, 39.0241** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2099, 38.0176, 57.0070**, and the grayscale version is **46.7294, 49.1629, 53.5384**.

A 20% lighter version of the original color is **84.0791, 89.5501, 75.1408**, and **22.1111, 23.7535, 17.0552** is the 20% darker color. If you saturate the color by 10%, you get **43.9705, 47.2493, 30.6585**, and if you desaturate by 10%, it is **49.0464, 52.0654, 48.7996**.

# Distribution



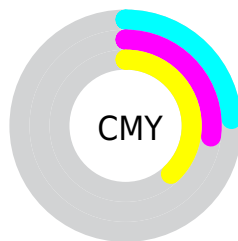
- Red (76%)
- Green (73%)
- Blue (62%)



- Red (65%)
- Yellow (76%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (24%)




- Cyan (24%)
- Magenta (27%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3618, 49.5771, 39.0241 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 46.3618, 49.5771, 39.0241 by changing the saturation by 10% instead.





 46.3618, 49.5771,  
39.0241


 46.3618, 49.5771,  
39.0241


362.9529,  
385.0098, 357.4220

 32.7372, 35.0775,  
26.4705


 83.9848, 89.5480,  
74.8959

 22.0835, 23.7226,  
16.9470


 108.7139,  
115.7880, 99.0511

 14.0352, 15.1280,  
10.0352


137.8752,  
146.7103, 127.9107

 8.2270, 8.9092,  
5.3164

171.8342,  
182.6993, 161.8931

 4.2936, 4.6820,  
2.3721

210.9560,  
224.1394, 201.4169

 1.8695, 2.0619,  
0.7712

255.6062,

 0.5590, 0.6431,

271.4149, 246.9006

0.0000

306.1501,  
324.9102, 298.7628

■ 0.0000, 0.0000,  
0.0000

■ 46.3618, 49.5771,  
39.0241

■ 46.3618, 49.5771,  
39.0241

■ 43.9705, 47.2493,  
30.6585

■ 49.0464, 52.0654,  
48.7996

■ 41.8557, 45.0699,  
23.6333

■ 52.0322, 54.7126,  
60.0437

■ 40.0050, 43.0352,  
17.8779

■ 55.3319, 57.5258,  
72.8158

■ 38.4032, 41.1389,  
13.3139

■ 58.9560, 60.5096,  
87.1708

■ 37.0337, 39.3740,  
9.8542

■ 62.9147, 63.6683,  
103.1610

■ 35.8774, 37.7325,  
7.3998

■ 64.0052, 65.7210,  
103.9197

■ 34.9119, 36.2051,  
5.8337

■ 65.0416, 67.7938,  
104.2652

■ 34.0967, 34.7753,  
4.9440

■ 66.1042, 69.9190,  
104.6194

■ 34.0564, 34.7035,  
4.9035

■ 67.1933, 72.0971,  
104.9824

# Harmonies

## Analogous

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



49.3938, 49.5771, 39.9416



46.3618, 49.5771, 39.0241



43.6507, 49.5771, 41.7581

# Triad

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



46.3618, 49.5771, 39.0241



42.6341, 49.5771, 64.8311



52.7324, 49.5771, 60.6434

# Complementary

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



46.3618, 49.5771, 39.0241



37.2099, 38.0176, 57.0070

# 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.



50.7717, 49.5771, 68.3829



46.3618, 49.5771, 39.0241



44.9201, 49.5771, 70.9762

# Square

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



46.3618, 49.5771, 39.0241



41.5596, 49.5771, 56.1984



47.8895, 49.5771, 72.3413



53.1589, 49.5771, 51.8228



# Rectangle

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



46.3618, 49.5771, 39.0241



42.3603, 49.5771, 45.4766



47.8895, 49.5771, 72.3413



52.2269, 49.5771, 63.4846

# Sweetspot

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



46.3631, 49.5793, 39.0252



89.5954, 94.8257, 93.9341



41.3759, 38.4418, 40.9486



19.5440, 20.6975, 20.2842



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.



46.3631, 49.5793, 39.0252



81.3178, 87.1493, 63.8024



45.4244, 51.6841, 39.4809



10.7277, 11.3869, 10.6943



22.1972, 22.6801, 3.2078



1.0053, 1.0724, 0.1540



# Inverse Universe

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



37.2099, 38.0176, 57.0070



62.2065, 63.0113, 101.3535



38.0067, 36.3540, 56.6439



9.6963, 10.0838, 12.7202



6.9686, 3.6937, 33.9023



0.3523, 0.2621, 1.4819



# Previews

## White Background



This preview shows how the XYZ color 46.3618, 49.5771, 39.0241 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 46.3618, 49.5771, 39.0241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

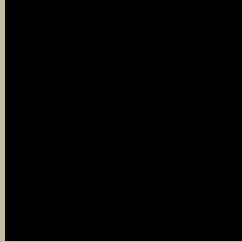
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

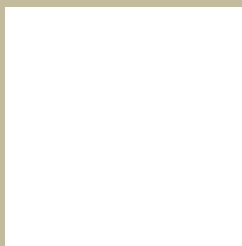
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 46.3618, 49.5771, 39.0241

## Background



This preview shows how black text looks on a background with the XYZ color 46.3618, 49.5771, 39.0241.



This preview shows how white text looks on a background with the XYZ color 46.3618, 49.5771,



# 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

46.3618, 49.5771, 39.0241

### Protanopia

46.6707, 49.4224, 38.9780

### Deuteranopia

50.5171, 49.5582, 39.2509



## Tritanopia

50.5112, 49.7208, 59.1594

# Trichromacy



## Original Color

46.3618, 49.5771, 39.0241

## Protanomaly

46.4097, 49.2879, 38.9658

## Deuteranomaly

49.1175, 49.7455, 39.3608

## Tritanomaly

48.8727, 49.6641, 51.2662

# Monochromacy



## Original Color

46.3618, 49.5771, 39.0241

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

46.2830, 49.0318, 47.5821

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3618, 49.5771, 39.0241 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(195, 187, 157)` looks like.

```
.text, #text, p{  
    color:rgb(195, 187, 157)  
}
```

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(195, 187, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 187, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3618, 49.5771, 39.0241 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(195, 187, 157) }
```



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

```
.border{ border-color:rgb(195, 187, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 187, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 187, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 187, 157); box-shadow:4px 4px 4px 4px rgb(195, 187, 157) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.3618, 49.5771, 39.0241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 187, 157) }
```

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

```
.background{ background-color: rgb(195,  
187, 157) }
```

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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