

# Converting Colors

XYZ(39.1537, 30.9584, 59.1506)

Have a look what the booklet for  
XYZ(39.1537, 30.9584, 59.1506)  
contains.

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# Color

**XYZ(39.1524, 31.0144,  
59.1812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB83C9
RGB	187, 131, 201
RGB Percent	73%, 51%, 79%
CMY	0.2667, 0.4863, 0.2118
CMYK	0.07, 0.35, 0.00, 0.21
HSL	288°, 39%, 65%
HSV	288°, 35%, 79%
XYZ	39.1524, 31.0144, 59.1812
YIQ	155.7240, 10.9060, 33.6420

# Conversions

## Conversions Part 2

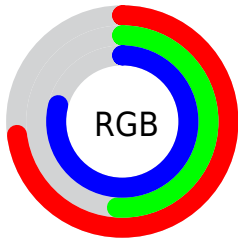
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 131, 201
Decimal	12288969
CIELab	62.52, 33.58, -27.84
CIELCh	63, 43.621, 320.340
Yxy	31.0144, 0.3027, 0.2398
Android (android.graphics.Color)	4290479049 (0xFFBB83C9)
YUV	155.7240, 22.3211, 27.4291
Hunter-Lab	55.6906, 28.0332, -24.0228

# Details

The XYZ color **39.1524, 31.0144, 59.1812** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.6615, 49.4325, 29.0833**, and the grayscale version is **31.3782, 33.0123, 35.9504**.

A 20% lighter version of the original color is **72.7072, 61.1510, 102.5790**, and **17.8080, 12.8305, 29.1417** is the 20% darker color. If you saturate the color by 10%, you get **35.7407, 25.6300, 58.3222**, and if you desaturate by 10%, it is **43.1173, 37.4630, 60.2174**.

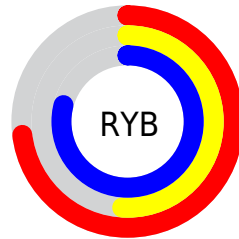
# Distribution



Red (73%)

Green (51%)

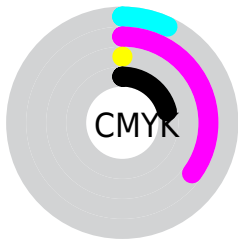
Blue (79%)



Red (73%)

Yellow (51%)

Blue (79%)

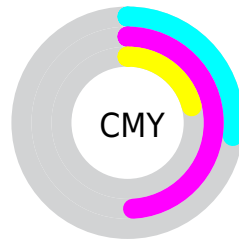


Cyan (7%)

Magenta (35%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (49%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1524, 31.0144, 59.1812 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 39.1524, 31.0144, 59.1812 by changing the saturation by 10% instead.





 39.1524, 31.0144,  
59.1812


 39.1524, 31.0144,  
59.1812

333.7340,  
306.6047, 439.2936


 27.0596, 20.6098,  
42.3380


 73.1637, 61.2627,  
105.1727

 17.7548, 12.8391,  
29.0385


 95.8128, 81.8753,  
135.1581

 10.8727, 7.3178,  
18.8641


 122.7114,  
106.6593, 170.3613

 6.0480, 3.6617,  
11.3963

154.2248,  
135.9991, 211.2009

 2.9152, 1.4862,  
6.2166

190.7185,  
170.2792, 258.0954

 1.1091, 0.2790,  
2.9063

232.5576,

 0.0327, 0.0000,

209.8838, 311.4633

1.0470

280.1077,  
255.1975, 371.7232

■ 0.0000, 0.0000,  
0.0000

■ 39.1524, 31.0144,  
59.1812

■ 39.1524, 31.0144,  
59.1812

■ 35.7407, 25.6300,  
58.3222

■ 43.1173, 37.4630,  
60.2174

■ 32.8485, 21.2449,  
57.6282

■ 47.6606, 45.0277,  
61.4381

■ 30.4432, 17.7932,  
57.0887

■ 52.8094, 53.7620,  
62.8526

■ 28.4868, 15.1994,  
56.6912

■ 58.5884, 63.7147,  
64.4691

■ 26.9354, 13.3761,  
56.4210

■ 65.0205, 74.9317,  
66.2952

■ 25.7356, 12.2170,  
56.2605

■ 72.1278, 87.4565,  
68.3381

■ 25.2005, 11.7735,  
56.2031

■ 74.3686, 90.2056,  
68.7506

■ 75.5648, 90.8222,  
68.8066

■ 76.7901, 91.4539,  
68.8640

# Harmonies

## Analogous

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



33.6202, 31.0144, 74.5555



39.1524, 31.0144, 59.1812



42.2028, 31.0144, 39.5484

# Triad

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



39.1524, 31.0144, 59.1812



31.4325, 31.0144, 10.7288



20.0305, 31.0144, 46.4341

# Complementary

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



39.1524, 31.0144, 59.1812



36.6615, 49.4325, 29.0833

# 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.



19.6091, 31.0144, 28.5827



39.1524, 31.0144, 59.1812



25.6912, 31.0144, 11.4778

# Square

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



39.1524, 31.0144, 59.1812



37.3676, 31.0144, 14.3576



21.5454, 31.0144, 16.9264



22.7857, 31.0144, 65.6486



# Rectangle

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



39.1524, 31.0144, 59.1812



42.1729, 31.0144, 28.2426



21.5454, 31.0144, 16.9264



19.6270, 31.0144, 39.9739

# Sweetspot

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



39.1534, 31.0157, 59.1819



85.5964, 83.8413, 106.2793



30.0293, 29.2945, 59.3305



18.0556, 17.4958, 22.6754



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.



39.1534, 31.0157, 59.1819



62.4182, 45.7899, 100.1563



40.4428, 31.9466, 47.2157



10.8673, 10.7054, 13.4111



15.9209, 7.4418, 35.3416



0.8082, 0.3804, 1.6760



# Inverse Universe

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



37.3155, 30.6957, 30.7475



59.0057, 45.2851, 43.3247



35.9153, 48.8664, 37.2463



10.7192, 10.6710, 11.5044



15.4147, 7.9155, 2.1279



0.7562, 0.3853, 0.2396



# Previews

## White Background



This preview shows how the XYZ color 39.1524, 31.0144, 59.1812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

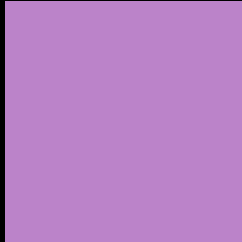
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1524, 31.0144, 59.1812 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 39.1524, 31.0144, 59.1812

## Background



This preview shows how black text looks on a background with the XYZ color 39.1524, 31.0144, 59.1812.



This preview shows how white text looks on a background with the XYZ color 39.1524, 31.0144,



# 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

39.1524, 31.0144, 59.1812

### Protanopia

32.3733, 31.2265, 68.6110

### Deuteranopia

31.9250, 31.2348, 57.7724



## Tritanopia

34.0148, 31.0200, 33.9005

# Trichromacy



**Original Color**

39.1524, 31.0144, 59.1812

**Protanomaly**

34.0684, 30.5785, 65.0794

**Deuteranomaly**

34.0824, 30.7386, 58.1696

**Tritanomaly**

35.7298, 30.8609, 42.1038

# Monochromacy



**Original Color**

39.1524, 31.0144, 59.1812

**Achromatopsia**

31.5995, 33.2452, 36.2040

**Achromatomaly**

33.8165, 32.0615, 43.4359

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1524, 31.0144, 59.1812 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(187, 131, 201)` looks like.

```
.text, #text, p{  
    color:rgb(187, 131, 201)  
}
```

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(187, 131, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 131, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1524, 31.0144, 59.1812 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(187, 131, 201) }
```



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

```
.border{ border-color:rgb(187, 131, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 131, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 131, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 131, 201);  
box-shadow:4px 4px 4px 4px rgb(187, 131,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1524, 31.0144, 59.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 131, 201) }
```

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

```
.background{ background-color: rgb(187,  
131, 201) }
```

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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