

Converting Colors

XYZ(39.7699, 31.2934, 44.5410)

Have a look what the booklet for
XYZ(39.7699, 31.2934, 44.5410)
contains.

XYZ(39.6755, 31.2132, 44.4911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.6755, 31.2132,
44.4911)**

Conversions

Conversions Part 1

Format	Color
Hex	C981AF
RGB	201, 129, 175
RGB Percent	79%, 51%, 69%
CMY	0.2118, 0.4941, 0.3137
CMYK	0.00, 0.36, 0.13, 0.21
HSL	322°, 40%, 65%
HSV	322°, 36%, 79%
XYZ	39.6755, 31.2132, 44.4911
YIQ	155.7720, 28.1460, 29.5700

Conversions

Conversions Part 2

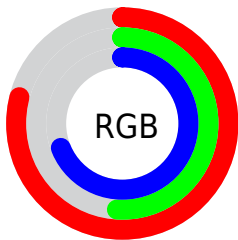
Format	Color
R _Y B	201, 129, 175
Decimal	13205935
CIE Lab	62.69, 34.51, -12.74
CIE LCh	63, 36.787, 339.731
Yxy	31.2132, 0.3439, 0.2705
Android (android.graphics.Color)	4291396015 (0xFFC981AF)
YUV	155.7720, 9.4794, 39.6650
Hunter-Lab	55.8688, 28.9923, -8.1075

Details

The XYZ color **39.6755, 31.2132, 44.4911** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8576, 48.8078, 38.5434**, and the grayscale version is **31.4495, 33.0874, 36.0321**.

A 20% lighter version of the original color is **72.5973, 60.8965, 83.5292**, and **18.1536, 12.9898, 20.2894** is the 20% darker color. If you saturate the color by 10%, you get **36.5899, 26.1522, 40.0393**, and if you desaturate by 10%, it is **43.3220, 37.3339, 49.3196**.

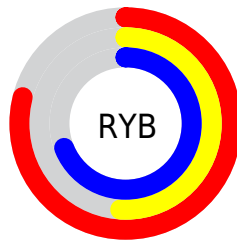
Distribution



Red (79%)

Green (51%)

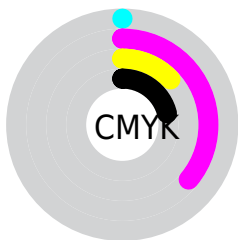
Blue (69%)



Red (79%)

Yellow (51%)

Blue (69%)

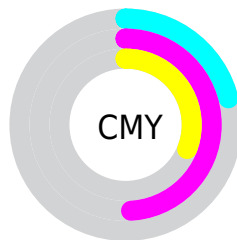


Cyan (0%)

Magenta (36%)

Yellow (13%)

Black (21%)



Cyan (21%)


Magenta (49%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6755, 31.2132, 44.4911 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 39.6755, 31.2132, 44.4911 by changing the saturation by 10% instead.


 39.6755, 31.2132,
44.4911


 39.6755, 31.2132,
44.4911


335.9119,
307.5193, 380.8084


 27.4687, 20.7612,
30.7168


 73.9566, 61.5756,
83.2666

 18.0640, 12.9496,
20.1266

 96.7616, 82.2548,
109.1048

 11.0959, 7.3938,
12.3021


 123.8301,
107.1119, 139.8013

 6.1991, 3.7096,
6.8247

155.5274,
136.5313, 175.7748

 3.0083, 1.5125,
3.2760

192.2189,
170.8973, 217.4437

 1.1582, 0.2975,
1.2372

234.2699,

 0.0730, 0.0000,

210.5944, 265.2265

0.0095

282.0458,
256.0069, 319.5420

■ 0.0000, 0.0000,
0.0000

■ 39.6755, 31.2132,
44.4911

■ 39.6755, 31.2132,
44.4911

■ 36.5899, 26.1522,
40.0393

■ 43.3220, 37.3339,
49.3196

■ 34.0313, 22.0850,
35.9490

■ 47.5554, 44.5666,
54.5354

■ 31.9659, 18.9450,
32.2063

■ 52.4034, 52.9653,
60.1509

■ 30.3551, 16.6556,
28.7952

■ 57.8910, 62.5790,
66.1770

■ 29.1537, 15.1278,
25.6975

■ 64.0418, 73.4543,
72.6245

■ 28.3060, 14.2509,
22.8912

■ 70.8781, 85.6348,
79.5034

■ 28.0111, 13.9870,
21.7884

■ 73.5492, 89.4183,
85.1993

■ 74.5656, 89.8248,
90.5517

■ 75.6247, 90.2485,
96.1288

Harmonies

Analogous

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



36.2752, 31.2132, 59.9895



39.6755, 31.2132, 44.4911



40.2351, 31.2132, 29.5237

Triad

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



39.6755, 31.2132, 44.4911



28.0652, 31.2132, 13.3707



22.8453, 31.2132, 54.8971

Complementary

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



39.6755, 31.2132, 44.4911



35.8576, 48.8078, 38.5434

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.



21.1336, 31.2132, 38.8764



39.6755, 31.2132, 44.4911



23.9148, 31.2132, 16.8498

Square

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



39.6755, 31.2132, 44.4911



33.1386, 31.2132, 14.0888



21.5017, 31.2132, 25.2799



26.4471, 31.2132, 67.0769

Rectangle

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



39.6755, 31.2132, 44.4911



38.8641, 31.2132, 22.0361



21.5017, 31.2132, 25.2799



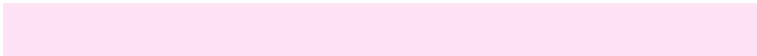
22.0493, 31.2132, 49.6232

Sweetspot

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



39.6764, 31.2146, 44.4917



85.1570, 82.7555, 97.7676



31.7588, 26.8090, 58.7595



17.9861, 17.2962, 20.6455



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.



39.6764, 31.2146, 44.4917



63.7365, 46.5449, 70.1860



36.6577, 30.0071, 28.5953



10.9143, 10.7491, 12.5318



17.6573, 8.8125, 13.9373



0.8699, 0.4308, 0.8378

Inverse Universe

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



39.6764, 31.2146, 44.4917



63.7365, 46.5449, 70.1860



39.2571, 50.1676, 56.4449



10.9143, 10.7491, 12.5318



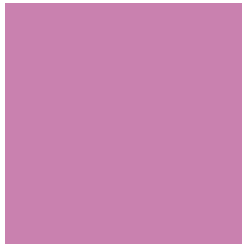
17.6573, 8.8125, 13.9373



0.8699, 0.4308, 0.8378

Previews

White Background



This preview shows how the XYZ color 39.6755, 31.2132, 44.4911 looks on a white background.

Color Contrast Check

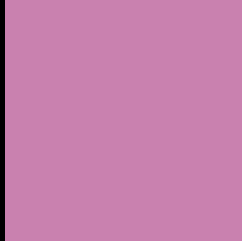
Large Text (above 18pt) WCAG AA × Fail

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 39.6755, 31.2132, 44.4911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

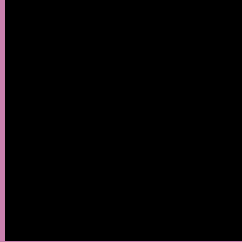
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.6755, 31.2132, 44.4911

Background



This preview shows how black text looks on a background with the XYZ color 39.6755, 31.2132, 44.4911.



This preview shows how white text looks on a background with the XYZ color 39.6755, 31.2132,

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

39.6755, 31.2132, 44.4911

Protanopia

31.5283, 31.3700, 53.1085

Deuteranopia

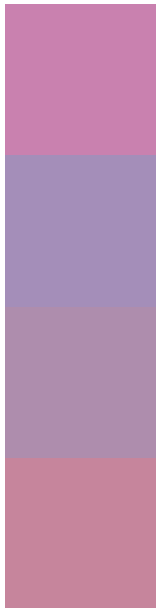
32.1368, 31.4275, 43.4020



Tritanopia

36.8008, 31.2426, 30.8789

Trichromacy



Original Color

39.6755, 31.2132, 44.4911

Protanomaly

33.7398, 30.7413, 50.0543

Deuteranomaly

34.5233, 31.0656, 43.7118

Tritanomaly

37.6770, 31.1811, 35.4853

Monochromacy



Original Color

39.6755, 31.2132, 44.4911

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.9030, 31.9728, 39.0348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6755, 31.2132, 44.4911 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(201, 129, 175)` looks like.

```
.text, #text, p{  
    color:rgb(201, 129, 175)  
}
```

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(201, 129, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 129, 175) }
```

Border

The CSS property to change the border of an element to XYZ 39.6755, 31.2132, 44.4911 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(201, 129, 175) }
```


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

```
.border{ border-color:rgb(201, 129, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 129, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 129, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 129, 175);  
box-shadow:4px 4px 4px 4px rgb(201, 129,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6755, 31.2132, 44.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 129, 175) }
```

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

```
.background{ background-color: rgb(201,  
129, 175) }
```

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