

Converting Colors

XYZ(39.9240, 31.1311, 43.5583)

Have a look what the booklet for
XYZ(39.9240, 31.1311, 43.5583)
contains.

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Color

**XYZ(39.8906, 31.1520,
43.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	CB80AD
RGB	203, 128, 173
RGB Percent	80%, 50%, 68%
CMY	0.2039, 0.4980, 0.3216
CMYK	0.00, 0.37, 0.15, 0.20
HSL	324°, 42%, 65%
HSV	324°, 37%, 80%
XYZ	39.8906, 31.1520, 43.4456
YIQ	155.5550, 30.2550, 29.8950

Conversions

Conversions Part 2

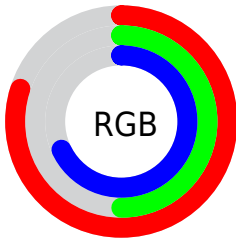
Format	Color
R _Y B	203, 128, 173
Decimal	13336749
CIE Lab	62.64, 35.41, -11.66
CIE LCh	63, 37.276, 341.770
Yxy	31.1520, 0.3484, 0.2721
Android (android.graphics.Color)	4291526829 (0xFFCB80AD)
YUV	155.5550, 8.6004, 41.6093
Hunter-Lab	55.8140, 29.9006, -7.0816

Details

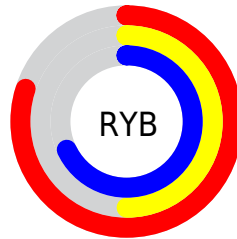
The XYZ color **39.8906, 31.1520, 43.4456** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.4310, 49.7706, 40.0366**, and the grayscale version is **31.3562, 32.9892, 35.9252**.

A 20% lighter version of the original color is **71.9715, 60.3173, 81.2479**, and **18.1377, 12.8913, 19.6215** is the 20% darker color. If you saturate the color by 10%, you get **36.7409, 26.0719, 38.6361**, and if you desaturate by 10%, it is **43.6196, 37.3135, 48.6845**.

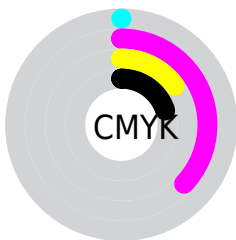
Distribution



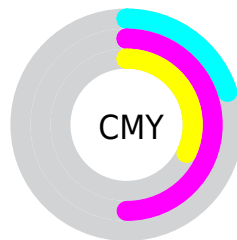
- Red (80%)
- Green (50%)
- Blue (68%)



- Red (80%)
- Yellow (50%)
- Blue (68%)



- Cyan (0%)
- Magenta (37%)
- Yellow (15%)
- Black (20%)





- Cyan (20%)
- Magenta (50%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8906, 31.1520, 43.4456 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 39.8906, 31.1520, 43.4456 by changing the saturation by 10% instead.


 39.8906, 31.1520,
43.4456


 39.8906, 31.1520,
43.4456


336.8046,
307.2380, 376.4160


 27.6371, 20.7146,
29.9009


 74.2823, 61.4793,
81.6764

 18.1913, 12.9156,
19.5120


 97.1512, 82.1380,
107.1996

 11.1880, 7.3704,
11.8603


 124.2893,
106.9726, 137.5527

 6.2616, 3.6948,
6.5272

156.0618,
136.3675, 173.1543

 3.0470, 1.5044,
3.0943

192.8343,
170.7071, 214.4229

 1.1787, 0.2918,
1.1430

234.9720,

 0.0894, 0.0000,

210.3758, 261.7770

0.0000

282.8403,
255.7579, 315.6352

■ 0.0000, 0.0000,
0.0000

■ 39.8906, 31.1520,
43.4456

■ 39.8906, 31.1520,
43.4456

■ 36.7409, 26.0719,
38.6361

■ 43.6196, 37.3135,
48.6845

■ 34.1352, 22.0049,
34.2391

■ 47.9550, 44.6105,
54.3650

■ 32.0382, 18.8818,
30.2389


■ 52.9256, 53.0989,
60.5008


■ 30.4095, 16.6229,
26.6177


■ 58.5575, 62.8295,
67.1046


■ 29.2016, 15.1348,
23.3552


■ 64.8751, 73.8502,
74.1882


 28.3518, 14.2936,
20.4256

 71.9018, 86.2061,
81.7631

 28.1290, 14.0967,
19.5844

 74.6499, 89.9210,
88.1703

 75.8162, 90.3876,
94.3124

 77.0364, 90.8757,
100.7379

Harmonies

Analogous

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



36.6050, 31.1520, 59.3565



39.8906, 31.1520, 43.4456



40.2391, 31.1520, 28.5262

Triad

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



39.8906, 31.1520, 43.4456



27.6607, 31.1520, 13.2408



22.9045, 31.1520, 56.1781

Complementary

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



39.8906, 31.1520, 43.4456



36.4310, 49.7706, 40.0366

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.



21.0383, 31.1520, 39.9524



39.8906, 31.1520, 43.4456



23.5666, 31.1520, 17.0394

Square

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



39.8906, 31.1520, 43.4456



32.7713, 31.1520, 13.6813



21.2659, 31.1520, 25.8984



26.6570, 31.1520, 68.0359

Rectangle

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



39.8906, 31.1520, 43.4456



38.7149, 31.1520, 21.2182



21.2659, 31.1520, 25.8984



22.0562, 31.1520, 50.8851

Sweetspot

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



39.8915, 31.1534, 43.4462



84.9911, 82.6891, 96.8935



32.6006, 27.0209, 59.9977



17.9465, 17.2803, 20.4368



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.



39.8915, 31.1534, 43.4462



62.6800, 45.5039, 66.5290



36.7574, 29.8998, 26.9423



11.4901, 11.3248, 13.1157



17.9470, 8.9894, 12.7057



0.9627, 0.4785, 0.8496

Inverse Universe

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



39.8915, 31.1534, 43.4462



62.6800, 45.5039, 66.5290



40.1661, 51.2646, 59.7054



11.4901, 11.3248, 13.1157



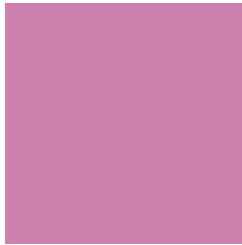
17.9470, 8.9894, 12.7057



0.9627, 0.4785, 0.8496

Previews

White Background



This preview shows how the XYZ color 39.8906, 31.1520, 43.4456 looks on a white background.

Color Contrast Check

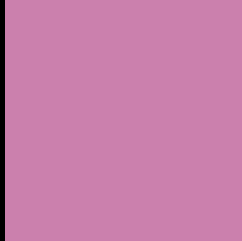
Large Text (above 18pt) WCAG AA × Fail

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 39.8906, 31.1520, 43.4456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

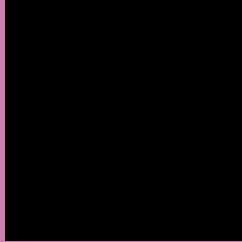
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8906, 31.1520, 43.4456

Background



This preview shows how black text looks on a background with the XYZ color 39.8906, 31.1520, 43.4456.



This preview shows how white text looks on a background with the XYZ color 39.8906, 31.1520,

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

39.8906, 31.1520, 43.4456

Protanopia

31.3111, 31.2832, 51.9649

Deuteranopia

31.8519, 31.3135, 41.9014



Tritanopia

37.3786, 31.3432, 30.4653

Trichromacy



Original Color

39.8906, 31.1520, 43.4456

Protanomaly

33.7373, 30.7642, 48.9597

Deuteranomaly

34.2361, 30.9507, 42.1999

Tritanomaly

38.2551, 31.2866, 35.0330

Monochromacy



Original Color

39.8906, 31.1520, 43.4456

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.0341, 32.0506, 38.5750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8906, 31.1520, 43.4456 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(203, 128, 173)` looks like.

```
.text, #text, p{  
    color:rgb(203, 128, 173)  
}
```

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(203, 128, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 128, 173) }
```

Border

The CSS property to change the border of an element to XYZ 39.8906, 31.1520, 43.4456 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(203, 128, 173) }
```


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

```
.border{ border-color:rgb(203, 128, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 128, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 128, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 128, 173);  
box-shadow:4px 4px 4px 4px rgb(203, 128,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8906, 31.1520, 43.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 128, 173) }
```

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

```
.background{ background-color: rgb(203,  
128, 173) }
```

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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