

Converting Colors

XYZ(39.5044, 30.9257, 40.3010)

Have a look what the booklet for
XYZ(39.5044, 30.9257, 40.3010)
contains.

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Color

**XYZ(39.5961, 31.0657,
40.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	CC80A7
RGB	204, 128, 167
RGB Percent	80%, 50%, 65%
CMY	0.2000, 0.4980, 0.3451
CMYK	0.00, 0.37, 0.18, 0.20
HSL	329°, 43%, 65%
HSV	329°, 37%, 80%
XYZ	39.5961, 31.0657, 40.4686
YIQ	155.1700, 32.7770, 28.2410

Conversions

Conversions Part 2

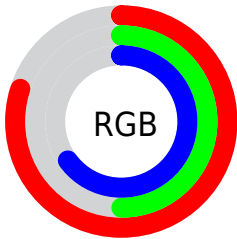
Format	Color
RYB	204, 128, 167
Decimal	13402279
CIELab	62.56, 34.80, -8.34
CIELCh	63, 35.781, 346.516
Yxy	31.0657, 0.3563, 0.2795
Android (android.graphics.Color)	4291592359 (0xFFCC80A7)
YUV	155.1700, 5.8322, 42.8239
Hunter-Lab	55.7366, 29.2699, -4.0330

Details

The XYZ color **39.5961, 31.0657, 40.4686** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.2878, 50.4925, 43.3803**, and the grayscale version is **31.1966, 32.8212, 35.7423**.

A 20% lighter version of the original color is **71.1528, 59.9898, 76.9363**, and **17.9611, 12.8415, 17.7516** is the 20% darker color. If you saturate the color by 10%, you get **36.3147, 25.9161, 35.0174**, and if you desaturate by 10%, it is **43.4847, 37.3162, 46.4708**.

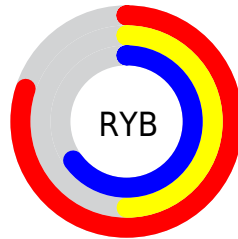
Distribution



Red (80%)

Green (50%)

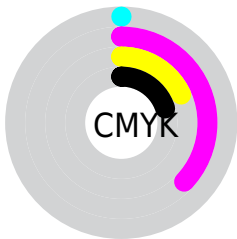
Blue (65%)



Red (80%)

Yellow (50%)

Blue (65%)

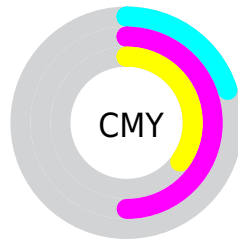


Cyan (0%)

Magenta (37%)

Yellow (18%)

Black (20%)



Cyan (20%)


Magenta (50%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5961, 31.0657, 40.4686 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 39.5961, 31.0657, 40.4686 by changing the saturation by 10% instead.


 39.5961, 31.0657,
40.4686


 39.5961, 31.0657,
40.4686

335.5819,
306.8409, 363.7054


 27.4066, 20.6489,
27.5875


 73.8363, 61.3435,
77.1214

 18.0170, 12.8676,
17.7786


 96.6178, 81.9733,
101.7303

 11.0619, 7.3374,
10.6234


 123.6605,
106.7761, 131.0855

 6.1761, 3.6740,
5.7032

155.3300,
136.1365, 165.6055

 2.9941, 1.4929,
2.5996

191.9915,
170.4388, 205.7090

 1.1507, 0.2837,
0.8923

234.0104,

 0.0669, 0.0000,

210.0673, 251.8144

0.0000

281.7521,
255.4066, 304.3404

■ 0.0000, 0.0000,
0.0000

■ 39.5961, 31.0657,
40.4686

■ 39.5961, 31.0657,
40.4686

■ 36.3147, 25.9161,
35.0174

■ 43.4847, 37.3162,
46.4708

■ 33.6041, 21.7979,
30.0963

■ 48.0090, 44.7230,
53.0401

■ 31.4277, 18.6406,
25.6855

■ 53.1986, 53.3429,
60.1940

■ 29.7435, 16.3627,
21.7625

■ 59.0807, 63.2277,
67.9485

■ 28.5025, 14.8688,
18.3024

■ 65.6807, 74.4262,
76.3190

■ 27.6383, 14.0293,
15.2740

■ 73.0229, 86.9845,
85.3203

■ 27.4354, 13.8508,
14.5059

■ 75.8789, 90.4442,
93.2162

■ 77.3670, 91.0395,
101.0524

■ 78.7121, 91.5775,
108.1354

Harmonies

Analogous

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



36.8522, 31.0657, 55.8282



39.5961, 31.0657, 40.4686



39.4404, 31.0657, 26.7628

Triad

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



39.5961, 31.0657, 40.4686



26.9453, 31.0657, 14.0847



23.5430, 31.0657, 57.2406

Complementary

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



39.5961, 31.0657, 40.4686



37.2878, 50.4925, 43.3803

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.



21.4317, 31.0657, 42.0323



39.5961, 31.0657, 40.4686



23.2432, 31.0657, 18.5288

Square

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



39.5961, 31.0657, 40.4686



31.7637, 31.0657, 13.8810



21.3284, 31.0657, 27.9519



27.3979, 31.0657, 67.1616

Rectangle

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



39.5961, 31.0657, 40.4686



37.7063, 31.0657, 20.2504



21.3284, 31.0657, 27.9519



22.6253, 31.0657, 52.4146

Sweetspot

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



39.5970, 31.0672, 40.4692



84.6240, 82.5422, 94.9603



34.0812, 27.7704, 60.6912



17.8590, 17.2453, 19.9759



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.



39.5970, 31.0672, 40.4692



60.9788, 44.2190, 59.4344



36.6024, 29.8693, 24.6998



11.4486, 11.3082, 12.8969



17.3153, 8.7367, 9.3789



0.9316, 0.4660, 0.6854

Inverse Universe

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



39.5970, 31.0672, 40.4692



60.9788, 44.2190, 59.4344



41.2437, 52.0748, 64.2117



11.4486, 11.3082, 12.8969



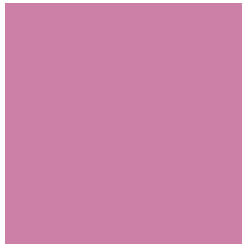
17.3153, 8.7367, 9.3789



0.9316, 0.4660, 0.6854

Previews

White Background



This preview shows how the XYZ color 39.5961, 31.0657, 40.4686 looks on a white background.

Color Contrast Check

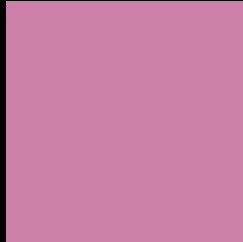
Large Text (above 18pt) WCAG AA × Fail

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 39.5961, 31.0657, 40.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

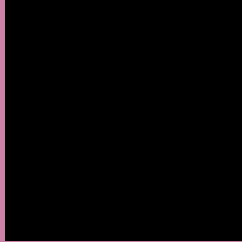
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5961, 31.0657, 40.4686

Background



This preview shows how black text looks on a background with the XYZ color 39.5961, 31.0657, 40.4686.



This preview shows how white text looks on a background with the XYZ color 39.5961, 31.0657,

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

39.5961, 31.0657, 40.4686

Protanopia

31.0269, 31.2098, 48.6448

Deuteranopia

31.8325, 31.1248, 39.4519



Tritanopia

37.2211, 30.8730, 29.5885

Trichromacy



Original Color

39.5961, 31.0657, 40.4686

Protanomaly

33.3347, 30.6273, 45.7497

Deuteranomaly

34.3011, 30.8199, 39.7383

Tritanomaly

38.0593, 31.0235, 33.2603

Monochromacy



Original Color

39.5961, 31.0657, 40.4686

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.6170, 31.6382, 37.1359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5961, 31.0657, 40.4686 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(204, 128, 167)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 167)  
}
```

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(204, 128, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 167) }
```

Border

The CSS property to change the border of an element to XYZ 39.5961, 31.0657, 40.4686 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(204, 128, 167) }
```


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

```
.border{ border-color:rgb(204, 128, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 128, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 167);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5961, 31.0657, 40.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 167) }
```

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

```
.background{ background-color: rgb(204,  
128, 167) }
```

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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