

Converting Colors

XYZ(41.6474, 31.8094, 51.2861)

Have a look what the booklet for
XYZ(41.6474, 31.8094, 51.2861)
contains.

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Color

**XYZ(41.6981, 31.9066,
51.5378)**

Conversions

Conversions Part 1

Format	Color
Hex	CC80BC
RGB	204, 128, 188
RGB Percent	80%, 50%, 74%
CMY	0.2000, 0.4980, 0.2627
CMYK	0.00, 0.37, 0.08, 0.20
HSL	313°, 43%, 65%
HSV	313°, 37%, 80%
XYZ	41.6981, 31.9066, 51.5378
YIQ	157.5640, 26.0360, 34.7720

Conversions

Conversions Part 2

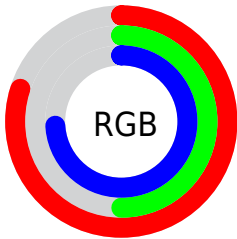
Format	Color
R_{YB}	204, 128, 188
Decimal	13402300
CIE _{Lab}	63.27, 38.26, -19.20
CIE _{LCh}	63, 42.809, 333.350
Yxy	31.9066, 0.3332, 0.2550
Android (android.graphics.Color)	4291592380 (0xFFCC80BC)
YUV	157.5640, 15.0049, 40.7244
Hunter-Lab	56.4859, 32.9189, -14.5561

Details

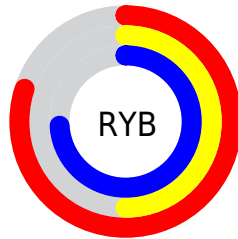
The XYZ color **41.6981, 31.9066, 51.5378** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.5304, 49.7895, 34.1253**, and the grayscale version is **32.2291, 33.9075, 36.9253**.

A 20% lighter version of the original color is **74.2971, 61.2476, 93.4940**, and **19.2398, 13.3529, 24.4850** is the 20% darker color. If you saturate the color by 10%, you get **38.8440, 26.9279, 48.3361**, and if you desaturate by 10%, it is **45.1029, 37.9635, 54.9917**.

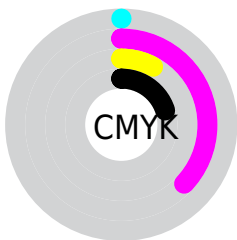
Distribution



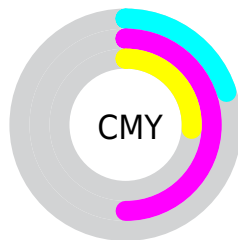
- Red (80%)
- Green (50%)
- Blue (74%)



- Red (80%)
- Yellow (50%)
- Blue (74%)



- Cyan (0%)
- Magenta (37%)
- Yellow (8%)
- Black (20%)



- Cyan (20%)
- Magenta (50%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6981, 31.9066, 51.5378 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 41.6981, 31.9066, 51.5378 by changing the saturation by 10% instead.

41.6981, 31.9066,
51.5378

41.6981, 31.9066,
51.5378

344.2429,
310.6936, 409.5557

29.0550, 21.2902,
36.2571

77.0105, 62.6646,
93.8689

19.2670, 13.3363,
24.3416

100.4106, 83.5750,
121.7563

11.9685, 7.6605,
15.3726

128.1271,
108.6855, 154.6831

6.7943, 3.8785,
8.9318

160.5254,
138.3806, 193.0677

3.3790, 1.6058,
4.6005

197.9707,
173.0445, 237.3287

1.3572, 0.3615,
1.9602

240.8285,

0.2254, 0.0000,

213.0617, 287.8847

0.5307

289.4641,
258.8166, 345.1542

■ 0.0000, 0.0000,
0.0000

■ 41.6981, 31.9066,
51.5378

■ 41.6981, 31.9066,
51.5378

■ 38.8440, 26.9279,
48.3361

■ 45.1029, 37.9635,
54.9917

■ 36.5052, 22.9584,
45.3733

■ 49.0850, 45.1535,
58.7063

■ 34.6469, 19.9283,
42.6375

■ 53.6731, 53.5328,
62.6919

■ 33.2285, 17.7567,
40.1146

■ 58.8927, 63.1526,
66.9578

■ 32.2028, 16.3490,
37.7881

■ 64.7681, 74.0613,
71.5126

■ 31.5050, 15.5760,
35.6360

■ 71.3222, 86.3044,
76.3644

■ 31.3396, 15.4125,
35.0647

■ 73.3256, 89.4229,
79.7706

■ 73.8953, 89.6508,
82.7708

■ 74.4797, 89.8846,
85.8483

Harmonies

Analogous

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



37.0347, 31.9066, 69.7695



41.6981, 31.9066, 51.5378



43.1889, 31.9066, 32.8677

Triad

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



41.6981, 31.9066, 51.5378



29.6650, 31.9066, 11.2790



21.7660, 31.9066, 55.9567

Complementary

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



41.6981, 31.9066, 51.5378



35.5304, 49.7895, 34.1253

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.



20.3105, 31.9066, 36.6839



41.6981, 31.9066, 51.5378



24.4812, 31.9066, 13.9834

Square

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



41.6981, 31.9066, 51.5378



35.7320, 31.9066, 12.9689



21.2363, 31.9066, 22.0587



25.4952, 31.9066, 72.8507

Rectangle

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



41.6981, 31.9066, 51.5378



42.0420, 31.9066, 23.3413



21.2363, 31.9066, 22.0587



21.0183, 31.9066, 49.3534

Sweetspot

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



41.6991, 31.9080, 51.5385



85.8090, 83.0163, 101.2008



29.9821, 25.6573, 60.4994



18.1421, 17.3585, 21.4665



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.



41.6991, 31.9080, 51.5385



65.0560, 45.8498, 80.9044



38.1919, 30.5052, 33.0699



11.5824, 11.3617, 13.6018



19.7603, 9.7147, 22.2542



1.0454, 0.5116, 1.2852

Inverse Universe

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



41.6991, 31.9080, 51.5385



65.0560, 45.8498, 80.9044



38.8572, 51.1202, 51.6441



11.5824, 11.3617, 13.6018



19.7603, 9.7147, 22.2542



1.0454, 0.5116, 1.2852

Previews

White Background



This preview shows how the XYZ color 41.6981, 31.9066, 51.5378 looks on a white background.

Color Contrast Check

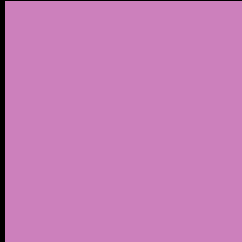
Large Text (above 18pt) WCAG AA × Fail

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 41.6981, 31.9066, 51.5378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

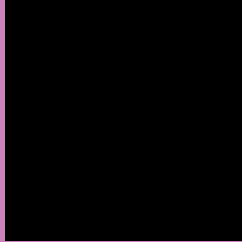
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6981, 31.9066, 51.5378

Background



This preview shows how black text looks on a background with the XYZ color 41.6981, 31.9066, 51.5378.



This preview shows how white text looks on a background with the XYZ color 41.6981, 31.9066,

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

41.6981, 31.9066, 51.5378

Protanopia

32.8951, 32.3532, 62.2686

Deuteranopia

32.6949, 32.0457, 49.8096



Tritanopia

37.6238, 31.8570, 31.7698

Trichromacy



Original Color

41.6981, 31.9066, 51.5378

Protanomaly

35.2355, 31.5550, 58.2664

Deuteranomaly

35.4432, 31.6194, 50.1340

Tritanomaly

38.9965, 31.8012, 38.2653

Monochromacy



Original Color

41.6981, 31.9066, 51.5378

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.2743, 32.8460, 42.0169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6981, 31.9066, 51.5378 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 188) }
```

Border

The CSS property to change the border of an element to XYZ 41.6981, 31.9066, 51.5378 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, 188) }
```


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

```
.border{ border-color:rgb(204, 128, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 188);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6981, 31.9066, 51.5378 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, 188) }
```

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

```
.background{ background-color: rgb(204,  
128, 188) }
```

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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