

Converting Colors

XYZ(40.5405, 36.2505, 38.8288)

Have a look what the booklet for
XYZ(40.5405, 36.2505, 38.8288)
contains.

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Color

**XYZ(40.7166, 36.4271,
39.0676)**

Conversions

Conversions Part 1

Format	Color
Hex	C696A2
RGB	198, 150, 162
RGB Percent	78%, 59%, 64%
CMY	0.2235, 0.4117, 0.3647
CMYK	0.00, 0.24, 0.18, 0.22
HSL	345°, 30%, 68%
HSV	345°, 24%, 78%
XYZ	40.7166, 36.4271, 39.0676
YIQ	165.7200, 24.7560, 13.9080

Conversions

Conversions Part 2

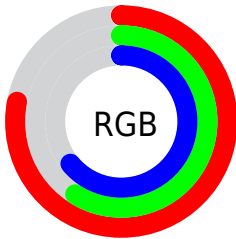
Format	Color
R _Y B	198, 150, 162
Decimal	13014690
CIE Lab	66.84, 19.83, 0.72
CIE LCh	67, 19.841, 2.075
Yxy	36.4271, 0.3504, 0.3135
Android (android.graphics.Color)	4291204770 (0xFFC696A2)
YUV	165.7200, -1.8340, 28.3096
Hunter-Lab	60.3549, 14.7987, 3.8701

Details

The XYZ color **40.7166, 36.4271, 39.0676** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.6361, 50.4182, 53.9939**, and the grayscale version is **36.1114, 37.9920, 41.3733**.

A 20% lighter version of the original color is **75.3573, 69.4555, 75.0801**, and **18.6040, 15.8891, 16.8382** is the 20% darker color. If you saturate the color by 10%, you get **36.5770, 30.1369, 31.5547**, and if you desaturate by 10%, it is **45.5481, 43.8506, 47.5812**.

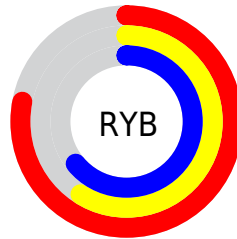
Distribution



Red (78%)

Green (59%)

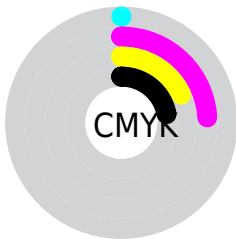
Blue (64%)



Red (78%)

Yellow (59%)

Blue (64%)

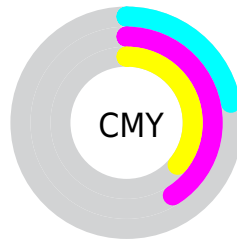


Cyan (0%)

Magenta (24%)

Yellow (18%)

Black (22%)



Cyan (22%)


Magenta (41%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7166, 36.4271, 39.0676 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 40.7166, 36.4271, 39.0676 by changing the saturation by 10% instead.


 40.7166, 36.4271,
39.0676


 40.7166, 36.4271,
39.0676

340.2176,
330.8235, 357.6124

 28.2844, 24.7642,
26.5041


 75.5309, 69.6908,
74.9631

 18.6817, 15.9015,
16.9720


 98.6438, 92.0604,
99.1321

 11.5432, 9.4545,
10.0528

126.0475,
118.7677, 128.0067

 6.5034, 5.0388,
5.3279

158.1076,
150.1971, 162.0054

 3.1971, 2.2700,
2.3788

195.1892,
186.7330, 201.5468

 1.2588, 0.7578,
0.7749

237.6579,

 0.1521, 0.0000,

228.7597, 247.0494

0.0000

285.8789,
276.6618, 298.9317

■ 0.0000, 0.0000,
0.0000

■ 40.7166, 36.4271,
39.0676

■ 40.7166, 36.4271,
39.0676

■ 36.5770, 30.1369,
31.5547

■ 45.5481, 43.8506,
47.5812

■ 33.0939, 24.9194,
25.0029

■ 51.0984, 52.4545,
57.1286

■ 30.2335, 20.7155,
19.3730

■ 57.3969, 62.2890,
67.7442

■ 27.9576, 17.4587,
14.6224

■ 64.4702, 73.4001,
79.4600

■ 26.2238, 15.0743,
10.7048

■ 72.3437, 85.8314,
92.3068

■ 24.9832, 13.4762,
7.5694

■ 76.4784, 90.4977,
104.7929

■ 24.1780, 12.5605,
5.1589

■ 77.0988, 90.7458,
108.0599

■ 23.8536, 12.2317,
4.0639

Harmonies

Analogous

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



39.9766, 36.4271, 47.9182



40.7166, 36.4271, 39.0676



39.7471, 36.4271, 31.5174

Triad

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



40.7166, 36.4271, 39.0676



31.6477, 36.4271, 27.2411



31.9897, 36.4271, 56.1327

Complementary

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



40.7166, 36.4271, 39.0676



41.6361, 50.4182, 53.9939

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.



29.9591, 36.4271, 49.1033



40.7166, 36.4271, 39.0676



29.7698, 36.4271, 32.4148

Square

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



40.7166, 36.4271, 39.0676



34.4144, 36.4271, 25.3320



29.1696, 36.4271, 40.2643



34.8322, 36.4271, 58.5798

Rectangle

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



40.7166, 36.4271, 39.0676



38.2927, 36.4271, 28.0014



29.1696, 36.4271, 40.2643



31.1954, 36.4271, 54.1817

Sweetspot

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



40.7176, 36.4288, 39.0684



87.5363, 88.3028, 96.1293



41.3503, 36.3308, 58.2594



18.6044, 18.6955, 20.3495



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.



40.7176, 36.4288, 39.0684



68.1449, 58.4764, 62.0536



41.7152, 40.0500, 34.3880



10.7408, 10.6797, 11.6184



15.5418, 7.9663, 2.7972



0.7660, 0.3892, 0.2910

Inverse Universe

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



40.7176, 36.4288, 39.0684



68.1449, 58.4764, 62.0536



40.3309, 45.6802, 60.1178



10.7408, 10.6797, 11.6184



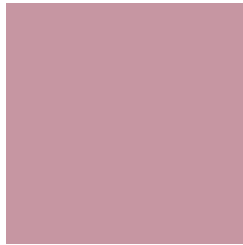
15.5418, 7.9663, 2.7972



0.7660, 0.3892, 0.2910

Previews

White Background



This preview shows how the XYZ color 40.7166, 36.4271, 39.0676 looks on a white background.

Color Contrast Check

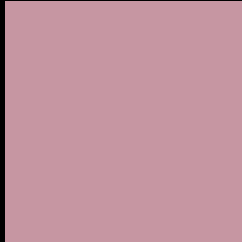
Large Text (above 18pt) WCAG AA × Fail

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 40.7166, 36.4271, 39.0676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

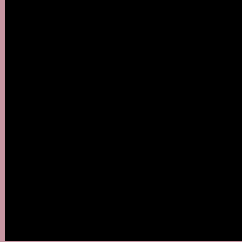
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7166, 36.4271, 39.0676

Background



This preview shows how black text looks on a background with the XYZ color 40.7166, 36.4271, 39.0676.



This preview shows how white text looks on a background with the XYZ color 40.7166, 36.4271,

39.0676.

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

40.7166, 36.4271, 39.0676

Protanopia

35.3916, 36.5977, 42.7349

Deuteranopia

37.2503, 36.6106, 38.8215



Tritanopia

40.7166, 36.4271, 39.0676

Trichromacy



Original Color

40.7166, 36.4271, 39.0676

Protanomaly

37.0143, 36.4370, 41.1586

Deuteranomaly

38.4041, 36.4550, 38.7306

Tritanomaly

40.7166, 36.4271, 39.0676

Monochromacy



Original Color

40.7166, 36.4271, 39.0676

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.7224, 37.3232, 40.8132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7166, 36.4271, 39.0676 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(198, 150, 162)` looks like.

```
.text, #text, p{  
    color:rgb(198, 150, 162)  
}
```

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(198, 150, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 150, 162) }
```

Border

The CSS property to change the border of an element to XYZ 40.7166, 36.4271, 39.0676 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(198, 150, 162) }
```


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

```
.border{ border-color:rgb(198, 150, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 150, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 150, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 150, 162);  
box-shadow:4px 4px 4px 4px rgb(198, 150,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7166, 36.4271, 39.0676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 150, 162) }
```

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

```
.background{ background-color: rgb(198,  
150, 162) }
```

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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