

Converting Colors

XYZ(39.9780, 31.0240, 42.0727)

Have a look what the booklet for
XYZ(39.9780, 31.0240, 42.0727)
contains.

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Color

**XYZ(40.0219, 31.0602,
41.9160)**

Conversions

Conversions Part 1

Format	Color
Hex	CD7FAA
RGB	205, 127, 170
RGB Percent	80%, 50%, 67%
CMY	0.1961, 0.5019, 0.3333
CMYK	0.00, 0.38, 0.17, 0.20
HSL	327°, 44%, 65%
HSV	327°, 38%, 80%
XYZ	40.0219, 31.0602, 41.9160
YIQ	155.2240, 32.6850, 29.9090

Conversions

Conversions Part 2

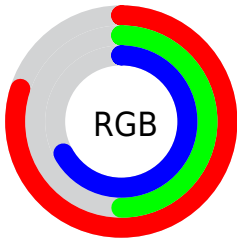
Format	Color
R_{YB}	205, 127, 170
Decimal	13467562
CIE Lab	62.56, 36.15, -10.05
CIE LCh	63, 37.519, 344.470
Yxy	31.0602, 0.3542, 0.2749
Android (android.graphics.Color)	4291657642 (0xFFCD7FAA)
YUV	155.2240, 7.2846, 43.6536
Hunter-Lab	55.7317, 30.6536, -5.5801

Details

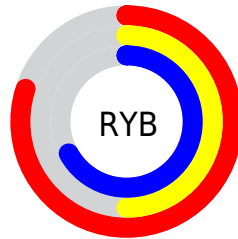
The XYZ color **40.0219, 31.0602, 41.9160** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.1067, 50.7842, 42.0314**, and the grayscale version is **31.2144, 32.8399, 35.7627**.

A 20% lighter version of the original color is **71.3545, 59.7440, 79.0051**, and **18.2489, 12.8664, 18.6612** is the 20% darker color. If you saturate the color by 10%, you get **36.7988, 25.9580, 36.6974**, and if you desaturate by 10%, it is **43.8464, 37.2670, 47.6362**.

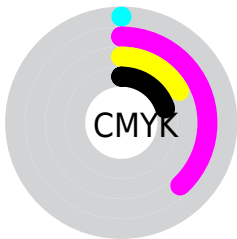
Distribution



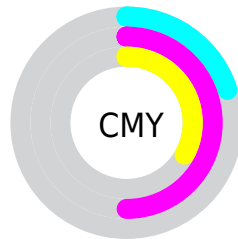
- Red (80%)
- Green (50%)
- Blue (67%)



- Red (80%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (17%)
- Black (20%)





- Cyan (20%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0219, 31.0602, 41.9160 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 40.0219, 31.0602, 41.9160 by changing the saturation by 10% instead.


 40.0219, 31.0602,
41.9160


 40.0219, 31.0602,
41.9160


337.3487,
306.8156, 369.9240


 27.7399, 20.6447,
28.7104

 74.4810, 61.3348,
79.3412

 18.2691, 12.8645,
18.6182


 97.3888, 81.9628,
104.3979

 11.2442, 7.3353,
11.2207


 124.5692,
106.7636, 134.2421

 6.2999, 3.6727,
6.0995

156.3877,
136.1218, 169.2923

 3.0706, 1.4922,
2.8359

193.2095,
170.4217, 209.9671

 1.1912, 0.2832,
1.0115

235.4001,

 0.0994, 0.0000,

210.0477, 256.6849

0.0000

283.3247,
255.3842, 309.8644

■ 0.0000, 0.0000,
0.0000

■ 40.0219, 31.0602,
41.9160

■ 40.0219, 31.0602,
41.9160

■ 36.7988, 25.9580,
36.6974

■ 43.8464, 37.2670,
47.6362

■ 34.1402, 21.8896,
31.9610

■ 48.3008, 44.6346,
53.8725

■ 32.0092, 18.7832,
27.6885


■ 53.4152, 53.2207,
60.6409


■ 30.3633, 16.5555,
23.8593


■ 59.2166, 63.0780,
67.9562


■ 29.1525, 15.1088,
20.4500


■ 65.7307, 74.2558,
75.8322


 28.3038, 14.2995,
17.4292

 72.9818, 86.8009,
84.2824

 28.1581, 14.1716,
16.8764

 75.8452, 90.4625,
91.6037

 77.2046, 91.0063,
98.7626

 78.6338, 91.5779,
106.2885

Harmonies

Analogous

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



36.9436, 31.0602, 58.1007



40.0219, 31.0602, 41.9160



40.0795, 31.0602, 27.2718

Triad

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



40.0219, 31.0602, 41.9160



27.1371, 31.0602, 13.2530



23.0580, 31.0602, 57.5746

Complementary

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



40.0219, 31.0602, 41.9160



37.1067, 50.7842, 42.0314

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.



21.0029, 31.0602, 41.3388



40.0219, 31.0602, 41.9160



23.1672, 31.0602, 17.4669

Square

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



40.0219, 31.0602, 41.9160



32.2280, 31.0602, 13.3252



21.0404, 31.0602, 26.8387



26.9715, 31.0602, 68.7669

Rectangle

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



40.0219, 31.0602, 41.9160



38.3735, 31.0602, 20.2766



21.0404, 31.0602, 26.8387



22.1481, 31.0602, 52.3493

Sweetspot

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



40.0228, 31.0617, 41.9166



84.7845, 82.6065, 95.8058



33.2679, 27.1446, 61.2440



17.8973, 17.2606, 20.1774



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.



40.0228, 31.0617, 41.9166



60.9891, 43.6324, 61.3098



36.9460, 29.8309, 25.7141



11.4668, 11.3154, 12.9926



17.5779, 8.8417, 10.7618



0.9447, 0.4713, 0.7548

Inverse Universe

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



40.0228, 31.0617, 41.9166



60.9891, 43.6324, 61.3098



40.9867, 52.3362, 62.4633



11.4668, 11.3154, 12.9926



17.5779, 8.8417, 10.7618



0.9447, 0.4713, 0.7548

Previews

White Background



This preview shows how the XYZ color 40.0219, 31.0602, 41.9160 looks on a white background.

Color Contrast Check

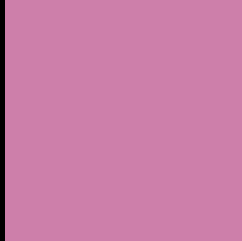
Large Text (above 18pt) WCAG AA × Fail

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 40.0219, 31.0602, 41.9160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

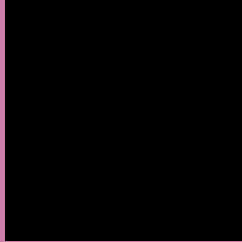
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0219, 31.0602, 41.9160

Background



This preview shows how black text looks on a background with the XYZ color 40.0219, 31.0602, 41.9160.



This preview shows how white text looks on a background with the XYZ color 40.0219, 31.0602,

41.9160.

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

40.0219, 31.0602, 41.9160

Protanopia

31.1649, 31.2448, 50.2872

Deuteranopia

31.9700, 31.4066, 40.4535



Tritanopia

37.4909, 31.0121, 29.6011

Trichromacy



Original Color

40.0219, 31.0602, 41.9160

Protanomaly

33.6371, 30.7483, 47.3422

Deuteranomaly

34.2576, 30.7763, 40.6941

Tritanomaly

38.2787, 30.9288, 33.6581

Monochromacy



Original Color

40.0219, 31.0602, 41.9160

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.7041, 31.6731, 37.5948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0219, 31.0602, 41.9160 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(205, 127, 170)` looks like.

```
.text, #text, p{  
    color:rgb(205, 127, 170)  
}
```

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(205, 127, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 127, 170) }
```

Border

The CSS property to change the border of an element to XYZ 40.0219, 31.0602, 41.9160 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(205, 127, 170) }
```


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

```
.border{ border-color:rgb(205, 127, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 127, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 127, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 127, 170);  
box-shadow:4px 4px 4px 4px rgb(205, 127,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0219, 31.0602, 41.9160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 127, 170) }
```

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

```
.background{ background-color: rgb(205,  
127, 170) }
```

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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