

# Converting Colors

XYZ(40.9081, 31.2859, 54.9986)

Have a look what the booklet for  
XYZ(40.9081, 31.2859, 54.9986)  
contains.

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# Color

**XYZ(40.8802, 31.2159,  
54.9096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C77FC2
RGB	199, 127, 194
RGB Percent	78%, 50%, 76%
CMY	0.2196, 0.5019, 0.2392
CMYK	0.00, 0.36, 0.03, 0.22
HSL	304°, 39%, 64%
HSV	304°, 36%, 78%
XYZ	40.8802, 31.2159, 54.9096
YIQ	156.1660, 21.4050, 36.1010

# Conversions

## Conversions Part 2

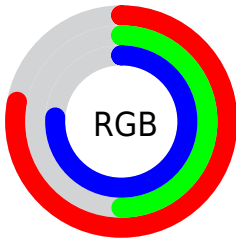
Format	Color
R <sub>Y</sub> B	199, 127, 194
Decimal	13074370
CIE Lab	62.69, 38.24, -23.52
CIE LCh	63, 44.899, 328.406
Yxy	31.2159, 0.3219, 0.2458
Android (android.graphics.Color)	4291264450 (0xFFC77FC2)
YUV	156.1660, 18.6522, 37.5654
Hunter-Lab	55.8712, 32.8315, -19.1597

# Details

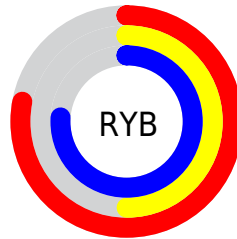
The XYZ color **40.8802, 31.2159, 54.9096** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.3420, 47.0259, 29.1512**, and the grayscale version is **31.5875, 33.2326, 36.1903**.

A 20% lighter version of the original color is **75.1765, 61.2728, 99.1314**, and **18.8197, 12.9916, 26.3267** is the 20% darker color. If you saturate the color by 10%, you get **38.4053, 26.5127, 53.3226**, and if you desaturate by 10%, it is **43.8661, 36.9376, 56.6747**.

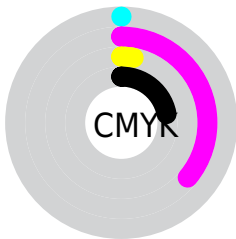
# Distribution



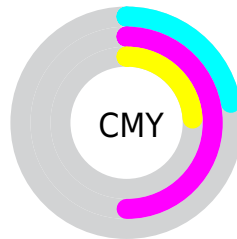
- Red (78%)
- Green (50%)
- Blue (76%)



- Red (78%)
- Yellow (50%)
- Blue (76%)



- Cyan (0%)
- Magenta (36%)
- Yellow (3%)
- Black (22%)




- Cyan (22%)
- Magenta (50%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8802, 31.2159, 54.9096 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 40.8802, 31.2159, 54.9096 by changing the saturation by 10% instead.




 40.8802, 31.2159,  
54.9096


 40.8802, 31.2159,  
54.9096

340.8908,  
307.5317, 422.8414

 28.4127, 20.7633,  
38.9312


 75.7779, 61.5798,  
98.8783

 18.7791, 12.9511,  
26.3988


 98.9388, 82.2599,  
127.7057

 11.6138, 7.3949,  
16.8938


 126.3949,  
107.1180, 161.6533

 6.5516, 3.7103,  
9.9976

158.5115,  
136.5385, 201.1395

 3.2271, 1.5128,  
5.2918

195.6541,  
170.9057, 246.5828

 1.2750, 0.2977,  
2.3578

238.1879,

 0.1644, 0.0000,

210.6040, 298.4019

0.7633

286.4784,  
256.0179, 357.0153

■ 0.0000, 0.0000,  
0.0000

■ 40.8802, 31.2159,  
54.9096

■ 40.8802, 31.2159,  
54.9096

■ 38.4053, 26.5127,  
53.3226

■ 43.8661, 36.9376,  
56.6747

■ 36.4083, 22.7638,  
51.9017

■ 47.3877, 43.7287,  
58.6252

■ 34.8572, 19.9042,  
50.6364


■ 51.4714, 51.6419,  
60.7703


■ 33.7144, 17.8590,  
49.5144


■ 56.1412, 60.7250,  
63.1179

■ 32.9364, 16.5412,  
48.5210


■ 61.4197, 71.0231,  
65.6755


 32.4680, 15.8401,  
47.6378

 67.3283, 82.5789,  
68.4505

 32.3295, 15.6527,  
47.3157

 70.1738, 88.0064,  
70.2116

 70.3400, 88.0729,  
71.0869

 70.5077, 88.1400,  
71.9700

# Harmonies

## Analogous

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



35.6354, 31.2159, 73.1489



40.8802, 31.2159, 54.9096



43.0751, 31.2159, 34.9361

# Triad

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



40.8802, 31.2159, 54.9096



29.9987, 31.2159, 10.1855



20.4657, 31.2159, 52.7016

# Complementary

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



40.8802, 31.2159, 54.9096



33.3420, 47.0259, 29.1512

# 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.



19.3815, 31.2159, 33.0588



40.8802, 31.2159, 54.9096



24.4101, 31.2159, 12.1089

# Square

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



40.8802, 31.2159, 54.9096



36.2806, 31.2159, 12.5867



20.7226, 31.2159, 19.1981



23.9151, 31.2159, 71.5955



# Rectangle

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



40.8802, 31.2159, 54.9096



42.3127, 31.2159, 24.4085



20.7226, 31.2159, 19.1981



19.8354, 31.2159, 45.7959

# Sweetspot

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



40.8812, 31.2173, 54.9103



86.4333, 83.2660, 104.4882



27.3841, 24.1933, 57.2601



18.2918, 17.4184, 22.2549



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.



40.8812, 31.2173, 54.9103



68.2668, 48.3571, 94.0426



37.3326, 29.7978, 36.2234



11.0501, 10.8034, 13.2470



20.8017, 10.0702, 30.4951



0.9947, 0.4807, 1.4954



# Inverse Universe

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



40.8812, 31.2173, 54.9103



68.2668, 48.3571, 94.0426



36.2263, 48.1797, 44.3398



11.0501, 10.8034, 13.2470



20.8017, 10.0702, 30.4951

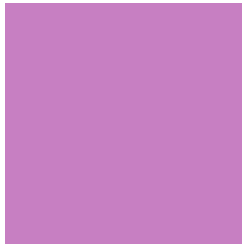


0.9947, 0.4807, 1.4954



# Previews

## White Background



This preview shows how the XYZ color 40.8802, 31.2159, 54.9096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

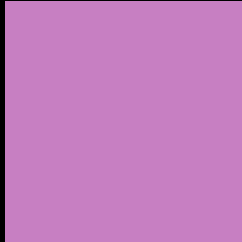
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.8802, 31.2159, 54.9096 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 40.8802, 31.2159, 54.9096**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8802, 31.2159, 54.9096.



This preview shows how white text looks on a background with the XYZ color 40.8802, 31.2159,



# 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

40.8802, 31.2159, 54.9096

### Protanopia

32.4957, 31.5842, 66.0117

### Deuteranopia

32.0743, 31.4156, 53.0885



## Tritanopia

36.2044, 31.3354, 31.7439

# Trichromacy



## Original Color

40.8802, 31.2159, 54.9096



## Protanomaly

34.7930, 31.0229, 61.9118



## Deuteranomaly

34.6547, 30.9183, 53.4315



## Tritanomaly

37.5940, 31.0575, 39.1352

# Monochromacy



## Original Color

40.8802, 31.2159, 54.9096



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

34.3944, 31.9237, 42.3793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8802, 31.2159, 54.9096 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(199, 127, 194)` looks like.

```
.text, #text, p{  
    color:rgb(199, 127, 194)  
}
```

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(199, 127, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 127, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8802, 31.2159, 54.9096 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(199, 127, 194) }
```



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

```
.border{ border-color:rgb(199, 127, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 127, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 127, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 127, 194); box-shadow:4px 4px 4px 4px rgb(199, 127, 194) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8802, 31.2159, 54.9096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 127, 194) }
```

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

```
.background{ background-color: rgb(199,  
127, 194) }
```

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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