

# Converting Colors

XYZ(40.9478, 27.8626, 50.9744)

Have a look what the booklet for  
XYZ(40.9478, 27.8626, 50.9744)  
contains.

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# Color

**XYZ(40.9131, 27.8479,  
50.7958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D26BBC
RGB	210, 107, 188
RGB Percent	82%, 42%, 74%
CMY	0.1765, 0.5804, 0.2627
CMYK	0.00, 0.49, 0.10, 0.18
HSL	313°, 53%, 62%
HSV	313°, 49%, 82%
XYZ	40.9131, 27.8479, 50.7958
YIQ	147.0310, 35.3870, 47.0270

# Conversions

## Conversions Part 2

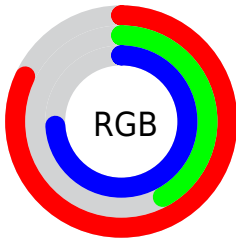
Format	Color
R <sub>Y</sub> B	210, 107, 188
Decimal	13790140
CIE Lab	59.75, 51.01, -24.51
CIE LCh	60, 56.593, 334.337
Yxy	27.8479, 0.3422, 0.2329
Android (android.graphics.Color)	4291980220 (0xFFD26BBC)
YUV	147.0310, 20.1977, 55.2238
Hunter-Lab	52.7711, 46.0405, -20.1309

# Details

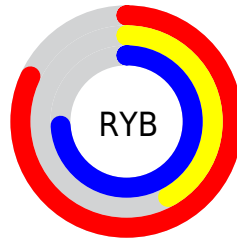
The XYZ color **40.9131, 27.8479, 50.7958** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.0737, 50.8048, 28.8340**, and the grayscale version is **27.6558, 29.0961, 31.6857**.

A 20% lighter version of the original color is **70.3140, 53.2814, 92.1663**, and **18.7831, 11.0678, 24.0680** is the 20% darker color. If you saturate the color by 10%, you get **38.5077, 23.7986, 47.6453**, and if you desaturate by 10%, it is **43.8669, 32.9690, 54.2038**.

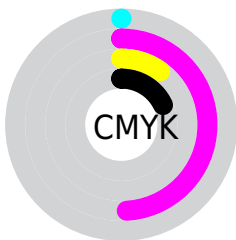
# Distribution



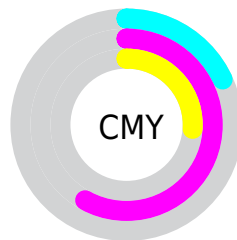
- Red (82%)
- Green (42%)
- Blue (74%)



- Red (82%)
- Yellow (42%)
- Blue (74%)



- Cyan (0%)
- Magenta (49%)
- Yellow (10%)
- Black (18%)



- Cyan (18%)
- Magenta (58%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9131, 27.8479, 50.7958 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 40.9131, 27.8479, 50.7958 by changing the saturation by 10% instead.



40.9131, 27.8479,  
50.7958

40.9131, 27.8479,  
50.7958

341.0261,  
291.7394, 406.5938

28.4386, 18.2110,  
35.6705

75.8275, 56.2415,  
92.7613

18.7987, 11.1016,  
23.8922

98.9981, 75.7671,  
120.4385

11.6280, 6.1352,  
15.0422

126.4647, 99.3576,  
153.1369

6.5613, 2.9275,  
8.7020

158.5927,  
127.3976, 191.2749

3.2332, 1.0940,  
4.4532

195.7475,  
160.2713, 235.2710

1.2782, 0.0000,  
1.8771

238.2945,

0.1668, 0.0000,

198.3633, 285.5438

0.4781

286.5989,  
242.0579, 342.5119

■ 0.0000, 0.0000,  
0.0000

■ 40.9131, 27.8479,  
50.7958

■ 40.9131, 27.8479,  
50.7958

■ 38.5077, 23.7986,  
47.6453

■ 43.8669, 32.9690,  
54.2038

■ 36.6088, 20.7388,  
44.7369

■ 47.4017, 39.2284,  
57.8800

■ 35.1725, 18.5808,  
42.0555


■ 51.5509, 46.6920,  
61.8365


■ 34.1462, 17.2192,  
39.5829


■ 56.3443, 55.4195,  
66.0838


■ 33.4441, 16.4828,  
37.2898


■ 61.8099, 65.4663,  
70.6319

 33.3832, 16.4236,  
37.0766

 67.9740, 76.8850,  
75.4902

 74.8613, 89.7249,  
80.6675

 75.7776, 90.5974,  
83.9331

 76.3938, 90.8438,  
87.1778

# Harmonies

## Analogous

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



35.0155, 27.8479, 75.9038



40.9131, 27.8479, 50.7958



42.7008, 27.8479, 27.4374

# Triad

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



40.9131, 27.8479, 50.7958



25.4414, 27.8479, 5.5542



16.6529, 27.8479, 58.4318

# Complementary

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



40.9131, 27.8479, 50.7958



33.0737, 50.8048, 28.8340

# 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.



14.9801, 27.8479, 33.4012



40.9131, 27.8479, 50.7958



19.4396, 27.8479, 8.0307

# Square

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



40.9131, 27.8479, 50.7958



32.8877, 27.8479, 6.8631



15.9003, 27.8479, 16.2543



20.9443, 27.8479, 81.5330



# Rectangle

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



40.9131, 27.8479, 50.7958



41.0933, 27.8479, 16.8059



15.9003, 27.8479, 16.2543



15.8046, 27.8479, 49.6386

# Sweetspot

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



40.9140, 27.8492, 50.7964



82.7507, 77.4618, 98.4482



25.7340, 19.7284, 63.4248



17.3829, 15.9822, 20.7759



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.



40.9140, 27.8492, 50.7964



59.5467, 36.5921, 73.6401



36.4173, 26.0505, 27.1173



12.1982, 11.9640, 14.3193



20.4013, 10.0334, 22.8172



1.1684, 0.5721, 1.4214



# Inverse Universe

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



40.9140, 27.8492, 50.7964



59.5467, 36.5921, 73.6401



37.2579, 52.4785, 50.8677



12.1982, 11.9640, 14.3193



20.4013, 10.0334, 22.8172

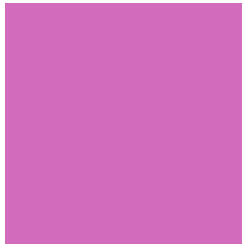


1.1684, 0.5721, 1.4214



# Previews

## White Background



This preview shows how the XYZ color 40.9131, 27.8479, 50.7958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

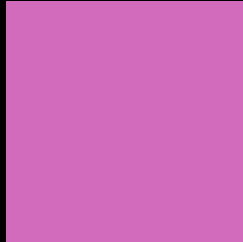
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 40.9131, 27.8479, 50.7958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

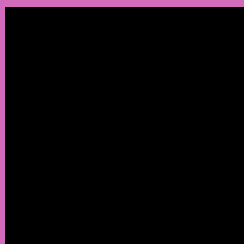
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.9131, 27.8479, 50.7958**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9131, 27.8479, 50.7958.



This preview shows how white text looks on a background with the XYZ color 40.9131, 27.8479,



# 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

40.9131, 27.8479, 50.7958

### Protanopia

29.6845, 28.2454, 68.1773

### Deuteranopia

28.7640, 28.2124, 48.1855



## Tritanopia

35.3075, 27.7144, 24.2574

# Trichromacy



## Original Color

40.9131, 27.8479, 50.7958



## Protanomaly

32.0066, 26.8806, 61.2592



## Deuteranomaly

32.0190, 27.1605, 48.9023



## Tritanomaly

37.0894, 27.5853, 32.2238

# Monochromacy



## Original Color

40.9131, 27.8479, 50.7958



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

31.3504, 27.6572, 37.8684

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9131, 27.8479, 50.7958 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(210, 107, 188)` looks like.

```
.text, #text, p{  
    color:rgb(210, 107, 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(210, 107, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 107, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9131, 27.8479, 50.7958 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(210, 107, 188) }
```



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

```
.border{ border-color:rgb(210, 107, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 107, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 107, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 107, 188);  
box-shadow:4px 4px 4px 4px rgb(210, 107,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9131, 27.8479, 50.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 107, 188) }
```

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

```
.background{ background-color: rgb(210,  
107, 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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