

# Converting Colors

XYZ(41.8740, 27.9064, 43.6060)

Have a look what the booklet for  
XYZ(41.8740, 27.9064, 43.6060)  
contains.

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# Color

**XYZ(41.8015, 27.8557,  
43.7309)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB67AF
RGB	219, 103, 175
RGB Percent	86%, 40%, 69%
CMY	0.1412, 0.5961, 0.3137
CMYK	0.00, 0.53, 0.20, 0.14
HSL	323°, 62%, 63%
HSV	323°, 53%, 86%
XYZ	41.8015, 27.8557, 43.7309
YIQ	145.8920, 46.0240, 46.9840

# Conversions

## Conversions Part 2

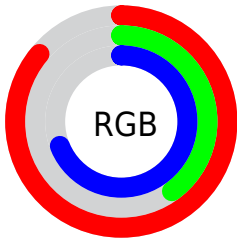
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 103, 175
Decimal	14378927
CIE <sub>Lab</sub>	59.76, 53.69, -16.94
CIE <sub>LCh</sub>	60, 56.303, 342.486
Yxy	27.8557, 0.3687, 0.2457
Android (android.graphics.Color)	4292569007 (0xFFDB67AF)
YUV	145.8920, 14.3502, 64.1157
Hunter-Lab	52.7785, 49.0128, -12.1812

# Details

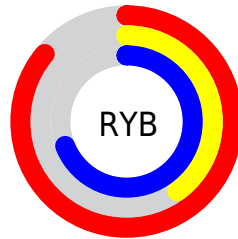
The XYZ color **41.8015, 27.8557, 43.7309** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.1928, 55.6540, 36.4411**, and the grayscale version is **27.2083, 28.6252, 31.1729**.

A 20% lighter version of the original color is **67.8907, 51.4832, 81.9603**, and **19.2677, 11.0961, 19.5386** is the 20% darker color. If you saturate the color by 10%, you get **39.1106, 23.7395, 38.9315**, and if you desaturate by 10%, it is **45.1147, 33.1354, 48.9859**.

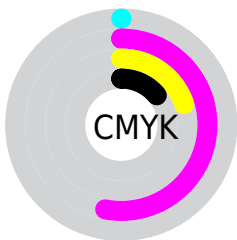
# Distribution



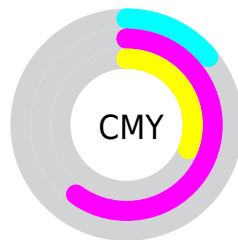
- Red (86%)
- Green (40%)
- Blue (69%)



- Red (86%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (53%)
- Yellow (20%)
- Black (14%)




- Cyan (14%)
- Magenta (60%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8015, 27.8557, 43.7309 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 41.8015, 27.8557, 43.7309 by changing the saturation by 10% instead.





 41.8015, 27.8557,  
43.7309

 41.8015, 27.8557,  
43.7309


344.6651,  
291.7768, 377.6182

 29.1363, 18.2169,  
30.1234


 77.1662, 56.2540,  
82.1108


 19.3288, 11.1058,  
19.6794


 100.5964, 75.7823,  
107.7203

 12.0135, 6.1381,  
11.9805

 128.3456, 99.3758,  
138.1675

 6.8251, 2.9292,  
6.6080

 160.7793,  
127.4191, 173.8709

 3.3983, 1.0949,  
3.1435

198.2627,  
160.2964, 215.2492

 1.3677, 0.0000,  
1.1684

241.1612,

 0.2331, 0.0000,

198.3922, 262.7208

0.0000

289.8402,  
242.0908, 316.7043

■ 0.0000, 0.0000,  
0.0000

■ 41.8015, 27.8557,  
43.7309

■ 41.8015, 27.8557,  
43.7309

■ 39.1106, 23.7395,  
38.9315

■ 45.1147, 33.1354,  
48.9859

■ 36.9930, 20.6912,  
34.5662

■ 49.0890, 39.6561,  
54.7130

■ 35.3960, 18.6070,  
30.6133

■ 53.7632, 47.4935,  
60.9296

■ 34.2555, 17.3595,  
27.0465

■ 59.1721, 56.7157,  
67.6514

■ 33.6523, 16.8357,  
24.7414

■ 65.3481, 67.3865,  
74.8931

■ 72.3217, 79.5653,  
82.6688

■ 79.7032, 92.4720,  
90.8526

■ 80.9194, 92.9585,  
97.2570

■ 82.1923, 93.4676,  
103.9596

# Harmonies

## Analogous

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



36.8449, 27.8557, 69.4226



41.8015, 27.8557, 43.7309



42.2245, 27.8557, 22.6160

# Triad

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



41.8015, 27.8557, 43.7309



23.6241, 27.8557, 5.8915



17.6063, 27.8557, 65.2820

# Complementary

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



41.8015, 27.8557, 43.7309



36.1928, 55.6540, 36.4411

# 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.



15.2294, 27.8557, 39.6247



41.8015, 27.8557, 43.7309



18.2615, 27.8557, 9.6263

# Square

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



41.8015, 27.8557, 43.7309



30.8150, 27.8557, 6.1952



15.4455, 27.8557, 19.9917



22.5648, 27.8557, 85.2163



# Rectangle

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



41.8015, 27.8557, 43.7309



39.7898, 27.8557, 13.7650



15.4455, 27.8557, 19.9917



16.5225, 27.8557, 56.6494

# Sweetspot

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



41.8024, 27.8571, 43.7314



80.9947, 75.7174, 92.4134



29.4091, 20.8849, 69.4993



16.9932, 15.6212, 19.3561



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.



41.8024, 27.8571, 43.7314



54.6859, 32.7341, 53.9428



37.3626, 26.0812, 20.3520



13.3941, 13.1867, 15.3366



20.0090, 10.0046, 14.9593



1.3377, 0.6647, 1.1873



# Inverse Universe

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



41.8024, 27.8571, 43.7314



54.6859, 32.7341, 53.9428



41.7692, 57.8846, 65.8059



13.3941, 13.1867, 15.3366



20.0090, 10.0046, 14.9593



1.3377, 0.6647, 1.1873



# Previews

## White Background



This preview shows how the XYZ color 41.8015, 27.8557, 43.7309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

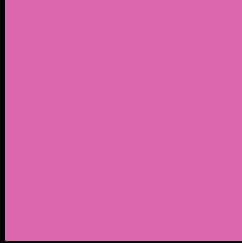
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8015, 27.8557, 43.7309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

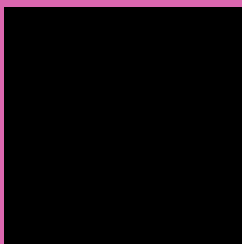
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.8015, 27.8557, 43.7309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8015, 27.8557, 43.7309.



This preview shows how white text looks on a background with the XYZ color 41.8015, 27.8557,



# 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

41.8015, 27.8557, 43.7309

### Protanopia

29.0567, 28.0934, 60.3910

### Deuteranopia

28.7189, 28.1174, 41.4497



## Tritanopia

37.3240, 27.7608, 22.1301

# Trichromacy



## Original Color

41.8015, 27.8557, 43.7309



## Protanomaly

31.8420, 26.7622, 53.9394



## Deuteranomaly

32.1736, 27.0033, 42.0445



## Tritanomaly

38.7773, 27.7038, 28.8948

# Monochromacy



## Original Color

41.8015, 27.8557, 43.7309



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

31.3020, 27.2838, 35.5148

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8015, 27.8557, 43.7309 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(219, 103, 175)` looks like.

```
.text, #text, p{  
    color:rgb(219, 103, 175)  
}
```

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(219, 103, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 103, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8015, 27.8557, 43.7309 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(219, 103, 175) }
```



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

```
.border{ border-color:rgb(219, 103, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 103, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 103, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 103, 175);  
box-shadow:4px 4px 4px 4px rgb(219, 103,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8015, 27.8557, 43.7309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 103, 175) }
```

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

```
.background{ background-color: rgb(219,  
103, 175) }
```

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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