

# Converting Colors

XYZ(41.8573, 27.5007, 28.2394)

Have a look what the booklet for  
XYZ(41.8573, 27.5007, 28.2394)  
contains.

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# Color

**XYZ(41.8085, 27.4814,  
28.3002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6628D
RGB	230, 98, 141
RGB Percent	90%, 38%, 55%
CMY	0.0980, 0.6157, 0.4471
CMYK	0.00, 0.57, 0.39, 0.10
HSL	340°, 73%, 64%
HSV	340°, 57%, 90%
XYZ	41.8085, 27.4814, 28.3002
YIQ	142.3700, 64.8690, 41.3570

# Conversions

## Conversions Part 2

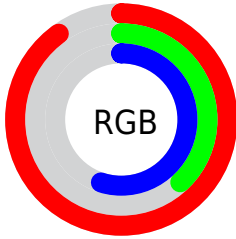
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 98, 141
Decimal	15098509
CIE Lab	59.42, 55.18, 2.39
CIE LCh	59, 55.236, 2.484
Yxy	27.4814, 0.4284, 0.2816
Android (android.graphics.Color)	4293288589 (0xFFE6628D)
YUV	142.3700, -0.6754, 76.8515
Hunter-Lab	52.4227, 50.6188, 4.6884

# Details

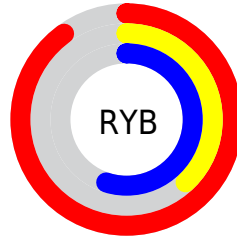
The XYZ color **41.8085, 27.4814, 28.3002** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **42.3049, 62.7788, 56.9053**, and the grayscale version is **25.8433, 27.1891, 29.6090**.

A 20% lighter version of the original color is **62.3688, 47.9375, 57.0046**, and **19.2588, 10.8873, 10.9839** is the 20% darker color. If you saturate the color by 10%, you get **38.8829, 23.3494, 22.0249**, and if you desaturate by 10%, it is **45.5153, 32.9171, 35.6337**.

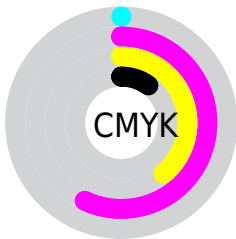
# Distribution



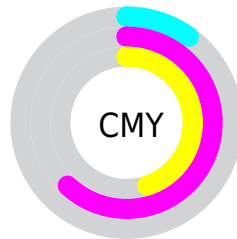
- Red (90%)
- Green (38%)
- Blue (55%)



- Red (90%)
- Yellow (38%)
- Blue (55%)



- Cyan (0%)
- Magenta (57%)
- Yellow (39%)
- Black (10%)




- Cyan (10%)
- Magenta (62%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8085, 27.4814, 28.3002 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 41.8085, 27.4814, 28.3002 by changing the saturation by 10% instead.





 41.8085, 27.4814,  
28.3002


 41.8085, 27.4814,  
28.3002


344.6936,  
289.9805, 307.8556

 29.1418, 17.9351,  
18.3111


 77.1767, 55.6554,  
57.9922


 19.3330, 10.9034,  
11.0018


 100.6089, 75.0519,  
78.5322

 12.0165, 6.0019,  
5.9539


 128.3604, 98.5006,  
103.4262

 6.8272, 2.8462,  
2.7487

 160.7965,  
126.3858, 133.0928

 3.3996, 1.0520,  
0.9678

198.2824,  
159.0920, 167.9505

 1.3685, 0.0000,  
0.0000

241.1837,

 0.2336, 0.0000,

197.0036, 208.4178

0.0000

289.8657,  
240.5050, 254.9133

■ 0.0000, 0.0000,  
0.0000

■ 41.8085, 27.4814,  
28.3002

■ 41.8085, 27.4814,  
28.3002

■ 38.8829, 23.3494,  
22.0249

■ 45.5153, 32.9171,  
35.6337

■ 36.6750, 20.4051,  
16.7529

■ 50.0555, 39.7510,  
44.0729

■ 35.1145, 18.5188,  
12.4257

■ 55.4792, 48.0735,  
53.6643

■ 34.1084, 17.5174,  
8.9744

■ 61.8317, 57.9665,  
64.4509

■ 33.9003, 17.3298,  
8.1999

■ 69.1552, 69.5056,  
76.4734

■ 77.4892, 82.7615,  
89.7705

■ 85.5793, 95.2175,  
103.9486

■ 86.4431, 95.5630,  
108.4972

# Harmonies

## Analogous

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



39.7978, 27.4814, 51.2234



41.8085, 27.4814, 28.3002



39.0386, 27.4814, 13.7599

# Triad

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



41.8085, 27.4814, 28.3002



19.6021, 27.4814, 7.9056



20.4391, 27.4814, 78.0827

# Complementary

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



41.8085, 27.4814, 28.3002



42.3049, 62.7788, 56.9053

# 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.



16.4216, 27.4814, 55.4297



41.8085, 27.4814, 28.3002



16.0017, 27.4814, 15.5366

# Square

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



41.8085, 27.4814, 28.3002



25.5474, 27.4814, 5.7066



14.9483, 27.4814, 31.6058



26.7015, 27.4814, 86.4746



# Rectangle

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



41.8085, 27.4814, 28.3002



35.0967, 27.4814, 8.7229



14.9483, 27.4814, 31.6058



18.8218, 27.4814, 71.5044

# Sweetspot

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



41.8092, 27.4828, 28.3007



78.3920, 73.6505, 81.8705



38.9016, 24.8893, 77.6166



16.4096, 15.1857, 16.9056



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.



41.8092, 27.4828, 28.3007



48.5093, 28.6470, 26.4001



41.5553, 31.1394, 15.3774



14.5696, 14.4450, 15.9337



19.2424, 9.8312, 4.9054



1.4634, 0.7431, 0.5808



# Inverse Universe

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



41.8092, 27.4828, 28.3007



48.5093, 28.6470, 26.4001



41.8769, 53.4226, 82.9673



14.5696, 14.4450, 15.9337



19.2424, 9.8312, 4.9054



1.4634, 0.7431, 0.5808



# Previews

## White Background



This preview shows how the XYZ color 41.8085, 27.4814, 28.3002 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 41.8085, 27.4814, 28.3002 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

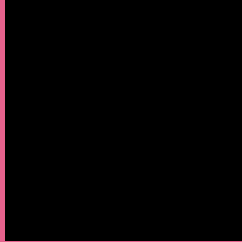
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.8085, 27.4814, 28.3002**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8085, 27.4814, 28.3002.



This preview shows how white text looks on a background with the XYZ color 41.8085, 27.4814,



# 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

41.8085, 27.4814, 28.3002

### Protanopia

27.2955, 27.6250, 40.4527

### Deuteranopia

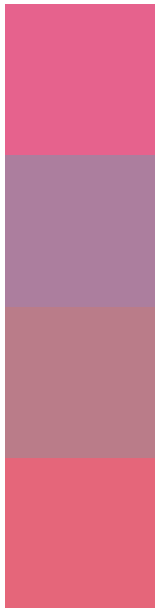
28.3037, 27.7916, 26.7942



## Tritanopia

39.8145, 27.5423, 18.2567

# Trichromacy



## Original Color

41.8085, 27.4814, 28.3002

## Protanomaly

30.6457, 26.1610, 35.7821

## Deuteranomaly

31.9727, 26.6605, 27.1278

## Tritanomaly

40.5773, 27.5659, 21.5944

# Monochromacy



## Original Color

41.8085, 27.4814, 28.3002

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

29.7989, 25.8734, 29.0147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8085, 27.4814, 28.3002 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(230, 98, 141)` looks like.

```
.text, #text, p{  
    color:rgb(230, 98, 141)  
}
```

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(230, 98, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 98, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8085, 27.4814, 28.3002 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(230, 98, 141) }
```



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

```
.border{ border-color:rgb(230, 98, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 98, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 98, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 98, 141);  
box-shadow:4px 4px 4px 4px rgb(230, 98,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8085, 27.4814, 28.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 98, 141) }
```

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

```
.background{ background-color: rgb(230, 98,  
141) }
```

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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