

Converting Colors

XYZ(40.9477, 27.2958, 27.1772)

Have a look what the booklet for
XYZ(40.9477, 27.2958, 27.1772)
contains.

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Color

**XYZ(40.8232, 27.2802,
27.1587)**

Conversions

Conversions Part 1

Format	Color
Hex	E3648A
RGB	227, 100, 138
RGB Percent	89%, 39%, 54%
CMY	0.1098, 0.6078, 0.4588
CMYK	0.00, 0.56, 0.39, 0.11
HSL	342°, 69%, 64%
HSV	342°, 56%, 89%
XYZ	40.8232, 27.2802, 27.1587
YIQ	142.3050, 63.4940, 38.7420

Conversions

Conversions Part 2

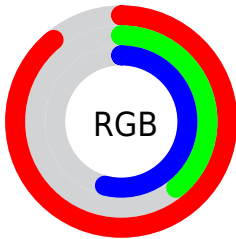
Format	Color
R_{YB}	227, 100, 138
Decimal	14902410
CIE _{Lab}	59.23, 52.97, 3.82
CIE _{LCh}	59, 53.105, 4.120
Yxy	27.2802, 0.4285, 0.2864
Android (android.graphics.Color)	4293092490 (0xFFE3648A)
YUV	142.3050, -2.1224, 74.2775
Hunter-Lab	52.2305, 48.1119, 5.7318

Details

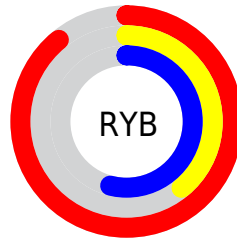
The XYZ color **40.8232, 27.2802, 27.1587** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **41.9115, 61.3224, 57.7754**, and the grayscale version is **25.8234, 27.1682, 29.5862**.

A 20% lighter version of the original color is **62.3653, 48.4643, 55.3577**, and **18.8106, 10.8308, 10.3316** is the 20% darker color. If you saturate the color by 10%, you get **37.8726, 23.0892, 20.9028**, and if you desaturate by 10%, it is **44.5505, 32.7544, 34.5064**.

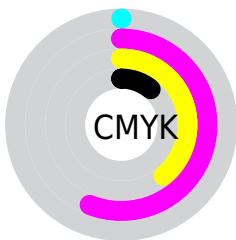
Distribution



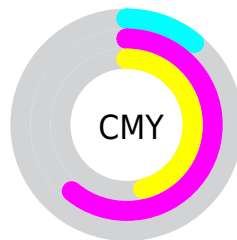
- Red (89%)
- Green (39%)
- Blue (54%)



- Red (89%)
- Yellow (39%)
- Blue (54%)



- Cyan (0%)
- Magenta (56%)
- Yellow (39%)
- Black (11%)





- Cyan (11%)
- Magenta (61%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8232, 27.2802, 27.1587 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 40.8232, 27.2802, 27.1587 by changing the saturation by 10% instead.


 40.8232, 27.2802,
27.1587


 40.8232, 27.2802,
27.1587

340.6564,
289.0112, 302.2091

 28.3680, 17.7838,
17.4590


 75.6918, 55.3332,
56.1453


 18.7451, 10.7949,
10.3968


 98.8360, 74.6585,
76.2691

 11.5892, 5.9291,
5.5538


 126.2739, 98.0289,
100.7048

 6.5348, 2.8020,
2.5114

 158.3708,
125.8288, 129.8709

 3.2166, 1.0293,
0.8462

195.4922,
158.4426, 164.1858

 1.2693, 0.0000,
0.0000

238.0033,

 0.1601, 0.0000,

196.2547, 204.0681

0.0000

286.2696,
239.6494, 249.9364

■ 0.0000, 0.0000,
0.0000

■ 40.8232, 27.2802,
27.1587

■ 40.8232, 27.2802,
27.1587

■ 37.8726, 23.0892,
20.9028

■ 44.5505, 32.7544,
34.5064

■ 35.6373, 20.0705,
15.6814

■ 49.1048, 39.6018,
42.9958

■ 34.0498, 18.1018,
11.4336

■ 54.5349, 47.9093,
52.6753

■ 33.0269, 17.0301,
8.0898

■ 60.8849, 57.7555,
63.5899

■ 32.7193, 16.7472,
6.9630

■ 68.1959, 69.2131,
75.7824

■ 76.5065, 82.3503,
89.2932

■ 84.5939, 94.7130,
103.7412

■ 85.4886, 95.0709,
108.4525

Harmonies

Analogous

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



39.1618, 27.2802, 48.6430



40.8232, 27.2802, 27.1587



37.9693, 27.2802, 13.5791

Triad

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



40.8232, 27.2802, 27.1587



19.4198, 27.2802, 8.5810



20.7567, 27.2802, 76.1027

Complementary

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



40.8232, 27.2802, 27.1587



41.9115, 61.3224, 57.7754

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.



16.7482, 27.2802, 55.2271



40.8232, 27.2802, 27.1587



16.0736, 27.2802, 16.4554

Square

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



40.8232, 27.2802, 27.1587



25.0245, 27.2802, 6.1517



15.1856, 27.2802, 32.4025



26.8551, 27.2802, 82.9739

Rectangle

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



40.8232, 27.2802, 27.1587



34.1346, 27.2802, 8.8650



15.1856, 27.2802, 32.4025



19.1566, 27.2802, 70.1536

Sweetspot

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



40.8239, 27.2816, 27.1592



78.2348, 73.5877, 81.0426



39.3850, 25.4681, 75.5131



16.3727, 15.1710, 16.7115



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.



40.8239, 27.2816, 27.1592



48.8138, 29.3807, 26.1177



41.3643, 32.0213, 16.0590



14.5535, 14.4386, 15.8494



19.1270, 9.7850, 4.2976



1.4533, 0.7390, 0.5277

Inverse Universe

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



40.8239, 27.2816, 27.1592



48.8138, 29.3807, 26.1177



40.1486, 50.3101, 80.2679



14.5535, 14.4386, 15.8494



19.1270, 9.7850, 4.2976



1.4533, 0.7390, 0.5277

Previews

White Background



This preview shows how the XYZ color 40.8232, 27.2802, 27.1587 looks on a white background.

Color Contrast Check

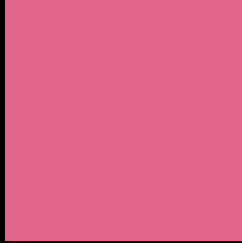
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.8232, 27.2802, 27.1587 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 40.8232, 27.2802, 27.1587

Background



This preview shows how black text looks on a background with the XYZ color 40.8232, 27.2802, 27.1587.



This preview shows how white text looks on a background with the XYZ color 40.8232, 27.2802,

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

40.8232, 27.2802, 27.1587

Protanopia

27.0991, 27.5658, 38.5428

Deuteranopia

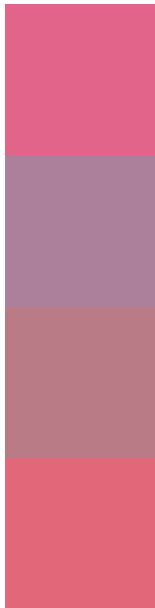
27.9513, 27.4200, 25.6492



Tritanopia

39.0275, 27.2806, 18.5379

Trichromacy



Original Color

40.8232, 27.2802, 27.1587

Protanomaly

30.4354, 26.2825, 34.0408

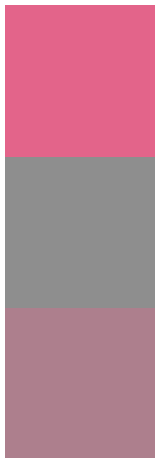
Deuteranomaly

31.5183, 26.4508, 25.9986

Tritanomaly

39.6655, 27.2497, 21.2583

Monochromacy



Original Color

40.8232, 27.2802, 27.1587

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.6307, 25.9861, 28.6534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8232, 27.2802, 27.1587 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(227, 100, 138)` looks like.

```
.text, #text, p{  
    color:rgb(227, 100, 138)  
}
```

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(227, 100, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 100, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.8232, 27.2802, 27.1587 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(227, 100, 138) }
```


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

```
.border{ border-color:rgb(227, 100, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 100, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 100, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 100, 138);  
box-shadow:4px 4px 4px 4px rgb(227, 100,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8232, 27.2802, 27.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 100, 138) }
```

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

```
.background{ background-color: rgb(227,  
100, 138) }
```

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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