

Converting Colors

XYZ(32.4087, 27.8040, 37.8410)

Have a look what the booklet for
XYZ(32.4087, 27.8040, 37.8410)
contains.

XYZ(32.4087, 27.8040, 37.8410)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.4087, 27.8040,
37.8410)**

Conversions

Conversions Part 1

Format	Color
Hex	B082A2
RGB	176, 130, 162
RGB Percent	69%, 51%, 64%
CMY	0.3098, 0.4902, 0.3647
CMYK	0.00, 0.26, 0.08, 0.31
HSL	318°, 23%, 60%
HSV	318°, 26%, 69%
XYZ	32.4087, 27.8040, 37.8410
YIQ	147.4020, 17.1440, 19.7040

Conversions

Conversions Part 2

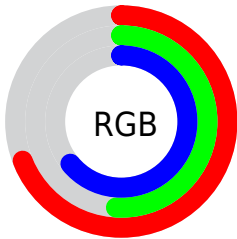
Format	Color
RYB	176, 130, 162
Decimal	11567778
CIELab	59.71, 22.97, -10.08
CIELCh	60, 25.082, 336.309
Yxy	27.8040, 0.3305, 0.2836
Android (android.graphics.Color)	4289757858 (0xFFB082A2)
YUV	147.4020, 7.1968, 25.0804
Hunter-Lab	52.7295, 17.4334, -5.6385

Details

The XYZ color **32.4087, 27.8040, 37.8410** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.7664, 37.8109, 32.1166**, and the grayscale version is **27.8664, 29.3176, 31.9269**.

A 20% lighter version of the original color is **62.7366, 56.0325, 73.1544**, and **13.8515, 11.0741, 16.1593** is the 20% darker color. If you saturate the color by 10%, you get **29.7990, 23.3301, 34.6717**, and if you desaturate by 10%, it is **35.4408, 33.0893, 41.2518**.

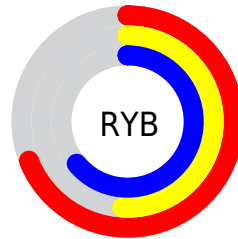
Distribution



Red (69%)

Green (51%)

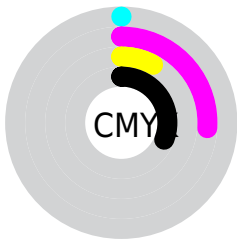
Blue (64%)



Red (69%)

Yellow (51%)

Blue (64%)

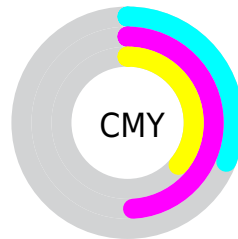


Cyan (0%)

Magenta (26%)

Yellow (8%)

Black (31%)



Cyan (31%)


Magenta (49%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4087, 27.8040, 37.8410 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 32.4087, 27.8040, 37.8410 by changing the saturation by 10% instead.


 32.4087, 27.8040,
37.8410


 32.4087, 27.8040,
37.8410

304.6891,
291.5292, 352.2151

 21.8309, 18.1780,
25.5584


 62.8121, 56.1714,
73.0651

 13.8486, 11.0778,
16.2708


 83.3685, 75.6815,
96.8437

 8.0965, 6.1192,
9.5596


 107.9818, 99.2551,
125.2914

 4.2091, 2.9177,
5.0062

137.0173,
127.2766, 158.8267

 1.8211, 1.0889,
2.1921

170.8404,
160.1303, 197.8682

 0.5303, 0.0000,
0.6698

209.8166,

 0.0000, 0.0000,

198.2007, 242.8344

0.0000

254.3110,
241.8722, 294.1439

■ 32.4087, 27.8040,
37.8410

■ 32.4087, 27.8040,
37.8410

■ 29.7990, 23.3301,
34.6717

■ 35.4408, 33.0893,
41.2518

■ 27.5885, 19.6231,
31.7340

■ 38.9119, 39.2203,
44.9100

■ 25.7557, 16.6397,
29.0199

■ 42.8409, 46.2338,
48.8232

■ 24.2759, 14.3310,
26.5198

■ 47.2447, 54.1632,
52.9984

■ 23.1212, 12.6418,
24.2230

■ 52.1393, 63.0402,
57.4421

■ 22.2595, 11.5082,
22.1177

■ 57.5400, 72.8951,
62.1603

■ 21.6485, 10.8459,
20.1882

■ 63.4615, 83.7569,
67.1592

■ 21.4443, 10.6461,
19.4775

■ 64.6668, 85.1510,
70.6942

■ 65.3241, 85.4140,
74.1557

Harmonies

Analogous

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



30.2017, 27.8040, 46.6263



32.4087, 27.8040, 37.8410



32.9578, 27.8040, 28.3963

Triad

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



32.4087, 27.8040, 37.8410



25.7629, 27.8040, 16.0302



21.8144, 27.8040, 41.8276

Complementary

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



32.4087, 27.8040, 37.8410



29.7664, 37.8109, 32.1166

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.



20.8213, 27.8040, 32.2323



32.4087, 27.8040, 37.8410



22.9804, 27.8040, 18.2762

Square

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



32.4087, 27.8040, 37.8410



28.9516, 27.8040, 16.9403



21.2305, 27.8040, 23.7894



24.0534, 27.8040, 49.2310

Rectangle

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



32.4087, 27.8040, 37.8410



32.2741, 27.8040, 23.1793



21.2305, 27.8040, 23.7894



21.3323, 27.8040, 38.6858

Sweetspot

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



32.4095, 27.8052, 37.8416



69.2445, 68.7755, 80.0837



27.2870, 25.0126, 44.4644



14.7985, 14.5366, 17.1392



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.4095, 27.8052, 37.8416



56.1266, 45.8619, 65.4690



30.5630, 27.0666, 28.1177



8.7377, 8.6018, 10.1170



15.7609, 7.8219, 14.4327



0.5204, 0.2559, 0.5831

Inverse Universe

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



32.4095, 27.8052, 37.8416



56.1266, 45.8619, 65.4690



31.6888, 38.5798, 42.2395



8.7377, 8.6018, 10.1170



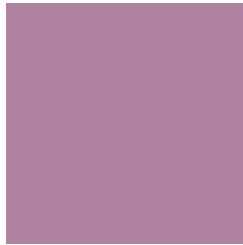
15.7609, 7.8219, 14.4327



0.5204, 0.2559, 0.5831

Previews

White Background



This preview shows how the XYZ color 32.4087, 27.8040, 37.8410 looks on a white background.

Color Contrast Check

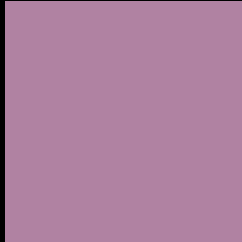
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4087, 27.8040, 37.8410 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 32.4087, 27.8040, 37.8410

Background



This preview shows how black text looks on a background with the XYZ color 32.4087, 27.8040, 37.8410.



This preview shows how white text looks on a background with the XYZ color 32.4087, 27.8040,

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

32.4087, 27.8040, 37.8410

Protanopia

27.7256, 28.0362, 41.9804

Deuteranopia

28.4857, 27.8735, 37.1365



Tritanopia

30.8771, 27.7873, 30.1216

Trichromacy



Original Color

32.4087, 27.8040, 37.8410

Protanomaly

29.0124, 27.6424, 40.3656

Deuteranomaly

29.7344, 27.6551, 37.4890

Tritanomaly

31.5164, 27.8509, 32.9928

Monochromacy



Original Color

32.4087, 27.8040, 37.8410

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.2929, 28.5859, 33.6795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4087, 27.8040, 37.8410 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(176, 130, 162)` looks like.

```
.text, #text, p{  
    color:rgb(176, 130, 162)  
}
```

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(176, 130, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 130, 162) }
```

Border

The CSS property to change the border of an element to XYZ 32.4087, 27.8040, 37.8410 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(176, 130, 162) }
```


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

```
.border{ border-color:rgb(176, 130, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 130, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 130, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 130, 162);  
box-shadow:4px 4px 4px 4px rgb(176, 130,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4087, 27.8040, 37.8410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 130, 162) }
```

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

```
.background{ background-color: rgb(176,  
130, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor