

Converting Colors

XYZ(31.9972, 28.4862, 37.8417)

Have a look what the booklet for
XYZ(31.9972, 28.4862, 37.8417)
contains.

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Color

**XYZ(32.0599, 28.4295,
37.9801)**

Conversions

Conversions Part 1

Format	Color
Hex	AC86A2
RGB	172, 134, 162
RGB Percent	67%, 53%, 64%
CMY	0.3255, 0.4745, 0.3647
CMYK	0.00, 0.22, 0.06, 0.33
HSL	316°, 19%, 60%
HSV	316°, 22%, 67%
XYZ	32.0599, 28.4295, 37.9801
YIQ	148.5540, 13.6600, 16.7640

Conversions

Conversions Part 2

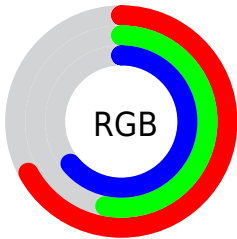
Format	Color
R_{YB}	172, 134, 162
Decimal	11306658
CIE _{Lab}	60.27, 19.28, -9.28
CIE _{LCh}	60, 21.398, 334.303
Yxy	28.4295, 0.3256, 0.2887
Android (android.graphics.Color)	4289496738 (0xFFAC86A2)
YUV	148.5540, 6.6289, 20.5621
Hunter-Lab	53.3193, 14.0199, -4.9096

Details

The XYZ color **32.0599, 28.4295, 37.9801** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.6192, 36.5877, 31.8882**, and the grayscale version is **28.3497, 29.8260, 32.4806**.

A 20% lighter version of the original color is **62.2896, 57.0444, 73.3733**, and **13.5925, 11.3884, 16.2336** is the 20% darker color. If you saturate the color by 10%, you get **29.4783, 23.8983, 35.1701**, and if you desaturate by 10%, it is **35.0444, 33.7423, 40.9965**.

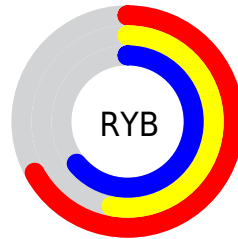
Distribution



Red (67%)

Green (53%)

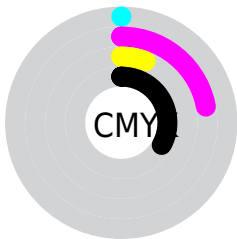
Blue (64%)



Red (67%)

Yellow (53%)

Blue (64%)

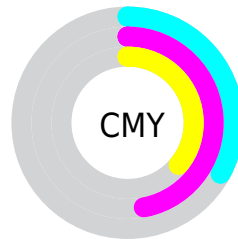


Cyan (0%)

Magenta (22%)

Yellow (6%)

Black (33%)



Cyan (33%)


Magenta (47%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0599, 28.4295, 37.9801 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 32.0599, 28.4295, 37.9801 by changing the saturation by 10% instead.


 32.0599, 28.4295,
37.9801


 32.0599, 28.4295,
37.9801

303.1325,
294.5136, 352.8302


 21.5630, 18.6497,
25.6655


 62.2695, 57.1694,
73.2807

 13.6510, 11.4174,
16.3501


 82.7130, 76.8983,
97.1039

 7.9584, 6.3483,
9.6152


 107.2027,
100.7124, 125.6003

 4.1199, 3.0580,
5.0423

136.1041,
128.9959, 159.1885

 1.7702, 1.1621,
2.2129

169.7823,
162.1335, 198.2870

 0.4996, 0.0304,
0.6818

208.6029,

 0.0000, 0.0000,

200.5093, 243.3145

0.0000

252.9312,
244.5079, 294.6894

■ 32.0599, 28.4295,
37.9801

■ 32.0599, 28.4295,
37.9801

■ 29.4783, 23.8983,
35.1701

■ 35.0444, 33.7423,
40.9965

■ 27.2781, 20.1075,
32.5577

■ 38.4467, 39.8679,
44.2241

■ 25.4399, 17.0179,
30.1359

■ 42.2841, 46.8401,
47.6696

■ 23.9414, 14.5852,
27.8965

■ 46.5724, 54.6900,
51.3391

■ 22.7576, 12.7598,
25.8305

■ 51.3262, 63.4469,
55.2380

■ 21.8602, 11.4853,
23.9276

■ 56.5597, 73.1388,
59.3719

■ 21.2155, 10.6944,
22.1758

■ 62.2863, 83.7925,
63.7459

■ 20.8268, 10.2961,
20.8775

■ 62.9912, 84.3778,
66.5223

■ 63.5220, 84.5902,
69.3178

Harmonies

Analogous

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



30.1052, 28.4295, 45.1899



32.0599, 28.4295, 37.9801



32.6314, 28.4295, 29.8350

Triad

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



32.0599, 28.4295, 37.9801



26.6275, 28.4295, 18.1998



22.8931, 28.4295, 40.2752

Complementary

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



32.0599, 28.4295, 37.9801



29.6192, 36.5877, 31.8882

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.



22.0943, 28.4295, 32.1024



32.0599, 28.4295, 37.9801



24.1557, 28.4295, 20.0753

Square

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



32.0599, 28.4295, 37.9801



29.3743, 28.4295, 19.2379



22.5405, 28.4295, 24.8542



24.7976, 28.4295, 46.6646

Rectangle

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



32.0599, 28.4295, 37.9801



32.1208, 28.4295, 25.1433



22.5405, 28.4295, 24.8542



22.4925, 28.4295, 37.5993

Sweetspot

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



32.0607, 28.4308, 37.9807



66.5431, 66.5426, 77.2318



27.3872, 25.9146, 42.5886



14.3858, 14.3253, 16.7124



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.0607, 28.4308, 37.9807



55.5476, 46.9714, 66.1069



30.5352, 27.8206, 29.9475



8.2457, 8.1115, 9.6047



15.5219, 7.6713, 15.6597



0.4527, 0.2218, 0.5456

Inverse Universe

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



32.0607, 28.4308, 37.9807



55.5476, 46.9714, 66.1069



31.1511, 37.2005, 39.9552



8.2457, 8.1115, 9.6047



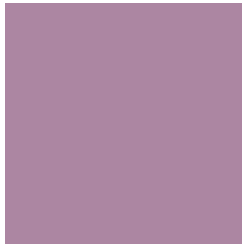
15.5219, 7.6713, 15.6597



0.4527, 0.2218, 0.5456

Previews

White Background



This preview shows how the XYZ color 32.0599, 28.4295, 37.9801 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 32.0599, 28.4295, 37.9801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

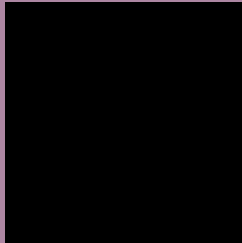
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0599, 28.4295, 37.9801

Background



This preview shows how black text looks on a background with the XYZ color 32.0599, 28.4295, 37.9801.



This preview shows how white text looks on a background with the XYZ color 32.0599, 28.4295,

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

32.0599, 28.4295, 37.9801

Protanopia

28.1192, 28.4738, 41.5501

Deuteranopia

29.2429, 28.6915, 37.7150



Tritanopia

30.7897, 28.5440, 31.4905

Trichromacy



Original Color

32.0599, 28.4295, 37.9801

Protanomaly

29.2099, 28.1847, 39.9771

Deuteranomaly

30.1628, 28.5120, 37.6318

Tritanomaly

31.2662, 28.5332, 33.5653

Monochromacy



Original Color

32.0599, 28.4295, 37.9801

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.7106, 29.4477, 34.6899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0599, 28.4295, 37.9801 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(172, 134, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 134, 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(172, 134, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 134, 162) }
```

Border

The CSS property to change the border of an element to XYZ 32.0599, 28.4295, 37.9801 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(172, 134, 162) }
```


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

```
.border{ border-color:rgb(172, 134, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 134, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 134, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 134, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 134,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0599, 28.4295, 37.9801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 134, 162) }
```

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

```
.background{ background-color: rgb(172,  
134, 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](#).

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