

Converting Colors

XYZ(32.7673, 28.6080, 43.0097)

Have a look what the booklet for
XYZ(32.7673, 28.6080, 43.0097)
contains.

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Color

**XYZ(32.7661, 28.6867,
42.8398)**

Conversions

Conversions Part 1

Format	Color
Hex	AB86AC
RGB	171, 134, 172
RGB Percent	67%, 53%, 67%
CMY	0.3294, 0.4745, 0.3255
CMYK	0.01, 0.22, 0.00, 0.33
HSL	298°, 19%, 60%
HSV	298°, 22%, 67%
XYZ	32.7661, 28.6867, 42.8398
YIQ	149.3950, 9.8540, 19.6620

Conversions

Conversions Part 2

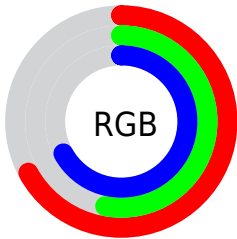
Format	Color
RYB	171, 134, 172
Decimal	11241132
CIELab	60.50, 20.83, -14.65
CIELCh	61, 25.465, 324.884
Yxy	28.6867, 0.3142, 0.2751
Android (android.graphics.Color)	4289431212 (0xFFAB86AC)
YUV	149.3950, 11.1443, 18.9476
Hunter-Lab	53.5600, 15.4701, -9.9310

Details

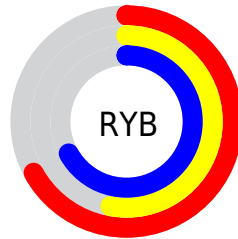
The XYZ color **32.7661, 28.6867, 42.8398** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.0482, 36.3778, 28.0463**, and the grayscale version is **28.6858, 30.1797, 32.8656**.

A 20% lighter version of the original color is **63.3140, 57.4176, 80.4187**, and **14.0317, 11.5483, 19.2588** is the 20% darker color. If you saturate the color by 10%, you get **30.4814, 24.2629, 42.1068**, and if you desaturate by 10%, it is **35.4395, 33.8865, 43.7030**.

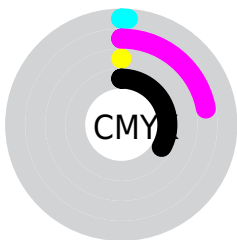
Distribution



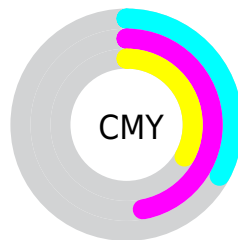
- Red (67%)
- Green (53%)
- Blue (67%)



- Red (67%)
- Yellow (53%)
- Blue (67%)



- Cyan (1%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7661, 28.6867, 42.8398 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 32.7661, 28.6867, 42.8398 by changing the saturation by 10% instead.


 32.7661, 28.6867,
42.8398

 32.7661, 28.6867,
42.8398


306.2781,
295.7338, 373.8544


 22.1057, 18.8439,
29.4290


 63.3673, 57.5789,
80.7528

 14.0516, 11.5576,
19.1572


 84.0388, 77.3972,
106.0921

 8.2385, 6.4432,
11.6060


 108.7781,
101.3094, 136.2446

 4.3010, 3.1164,
6.3567

137.9505,
129.7000, 171.6288

 1.8738, 1.1928,
2.9909

171.9213,
162.9534, 212.6634

 0.5615, 0.0558,
1.0900

211.0559,

 0.0000, 0.0000,

201.4539, 259.7668

0.0000

255.7198,
245.5859, 313.3576

■ 32.7661, 28.6867,
42.8398

■ 32.7661, 28.6867,
42.8398

■ 30.4814, 24.2629,
42.1068

■ 35.4395, 33.8865,
43.7030

■ 28.5642, 20.5739,
41.4958

■ 38.5165, 39.8933,
44.7002

■ 26.9950, 17.5807,
41.0007

■ 42.0142, 46.7411,
45.8377

■ 25.7518, 15.2388,
40.6142

■ 45.9480, 54.4608,
47.1204

■ 24.8098, 13.4990,
40.3280

■ 50.3327, 63.0816,
48.5532

■ 24.1409, 12.3047,
40.1328

■ 55.1822, 72.6315,
50.1410

■ 23.7114, 11.5888,
40.0172

■ 60.5098, 83.1372,
51.8880

■ 23.4837, 11.2461,
39.9631

■ 60.8006, 83.5687,
51.9559

■ 60.9021, 83.6210,
51.9607

Harmonies

Analogous

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



30.0111, 28.6867, 50.6881



32.7661, 28.6867, 42.8398



34.0537, 28.6867, 32.8761

Triad

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



32.7661, 28.6867, 42.8398



27.8330, 28.6867, 16.4591



21.9276, 28.6867, 39.4822

Complementary

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



32.7661, 28.6867, 42.8398



29.0482, 36.3778, 28.0463

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.



21.4458, 28.6867, 29.6493



32.7661, 28.6867, 42.8398



24.6933, 28.6867, 17.5302

Square

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



32.7661, 28.6867, 42.8398



31.0633, 28.6867, 18.6509



22.4184, 28.6867, 21.9414



23.7913, 28.6867, 48.4927

Rectangle

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



32.7661, 28.6867, 42.8398



33.8376, 28.6867, 26.8148



22.4184, 28.6867, 21.9414



21.6053, 28.6867, 36.1159

Sweetspot

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



32.7670, 28.6879, 42.8404



66.9702, 66.6987, 80.1502



25.9804, 25.4508, 42.5733



14.4858, 14.3618, 17.3963



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.



32.7670, 28.6879, 42.8404



57.1225, 47.5445, 76.9721



31.3942, 28.1641, 34.4710



8.3159, 8.1372, 10.0850



17.4832, 8.3728, 29.7392



0.4927, 0.2362, 0.8276

Inverse Universe

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



29.9125, 27.5714, 26.6682



50.9350, 45.1264, 41.8169



30.2307, 36.8323, 35.1085



8.0135, 8.0186, 8.3817



12.6823, 6.5355, 0.7067



0.3555, 0.1829, 0.0339

Previews

White Background



This preview shows how the XYZ color 32.7661, 28.6867, 42.8398 looks on a white background.

Color Contrast Check

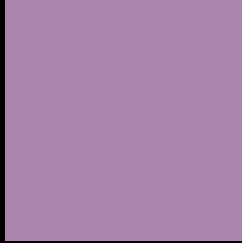
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7661, 28.6867, 42.8398 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 32.7661, 28.6867, 42.8398

Background



This preview shows how black text looks on a background with the XYZ color 32.7661, 28.6867, 42.8398.



This preview shows how white text looks on a background with the XYZ color 32.7661, 28.6867,

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

32.7661, 28.6867, 42.8398

Protanopia

28.7433, 28.9087, 46.7128

Deuteranopia

29.4726, 28.9368, 42.0622



Tritanopia

30.6617, 28.6717, 32.3519

Trichromacy



Original Color

32.7661, 28.6867, 42.8398

Protanomaly

29.9390, 28.6684, 45.0299

Deuteranomaly

30.6334, 28.8645, 42.4849

Tritanomaly

31.3936, 28.7607, 35.7950

Monochromacy



Original Color

32.7661, 28.6867, 42.8398

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9637, 29.5489, 36.0225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7661, 28.6867, 42.8398 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(171, 134, 172)` looks like.

```
.text, #text, p{  
    color:rgb(171, 134, 172)  
}
```

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(171, 134, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 134, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.7661, 28.6867, 42.8398 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(171, 134, 172) }
```


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

```
.border{ border-color:rgb(171, 134, 172) }
```

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

Here you see how a box with a 4 pixel rgb(171, 134, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 134, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 134, 172);  
box-shadow:4px 4px 4px 4px rgb(171, 134,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7661, 28.6867, 42.8398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 134, 172) }
```

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

```
.background{ background-color: rgb(171,  
134, 172) }
```

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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