

Converting Colors

XYZ(33.9717, 27.9658, 45.9274)

Have a look what the booklet for
XYZ(33.9717, 27.9658, 45.9274)
contains.

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Color

**XYZ(33.8865, 27.9998,
45.7380)**

Conversions

Conversions Part 1

Format	Color
Hex	B180B2
RGB	177, 128, 178
RGB Percent	69%, 50%, 70%
CMY	0.3059, 0.4980, 0.3020
CMYK	0.01, 0.28, 0.00, 0.30
HSL	299°, 25%, 60%
HSV	299°, 28%, 70%
XYZ	33.8865, 27.9998, 45.7380
YIQ	148.3510, 13.1540, 25.9380

Conversions

Conversions Part 2

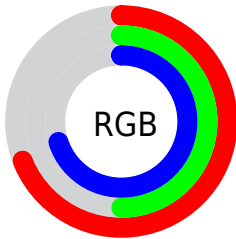
Format	Color
R_{YB}	177, 128, 178
Decimal	11632818
CIE _{Lab}	59.89, 27.43, -18.94
CIE _{LCh}	60, 33.339, 325.376
Yxy	27.9998, 0.3149, 0.2602
Android (android.graphics.Color)	4289822898 (0xFFB180B2)
YUV	148.3510, 14.6170, 25.1252
Hunter-Lab	52.9148, 21.7099, -14.2081

Details

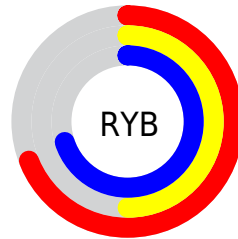
The XYZ color **33.8865, 27.9998, 45.7380** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.8709, 38.0672, 26.2495**, and the grayscale version is **28.2326, 29.7029, 32.3464**.

A 20% lighter version of the original color is **64.9794, 56.3119, 85.2864**, and **14.7382, 11.2145, 20.7899** is the 20% darker color. If you saturate the color by 10%, you get **31.6847, 23.7158, 45.0276**, and if you desaturate by 10%, it is **36.4976, 33.1009, 46.5854**.

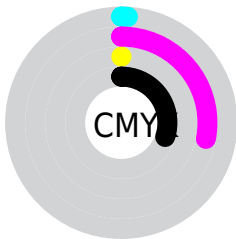
Distribution



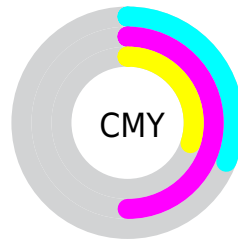
- Red (69%)
- Green (50%)
- Blue (70%)



- Red (69%)
- Yellow (50%)
- Blue (70%)



- Cyan (1%)
- Magenta (28%)
- Yellow (0%)
- Black (30%)



- Cyan (31%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8865, 27.9998, 45.7380 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 33.8865, 27.9998, 45.7380 by changing the saturation by 10% instead.

33.8865, 27.9998,
45.7380

33.8865, 27.9998,
45.7380

311.2205,
292.4660, 386.0013

22.9689, 18.3255,
31.6920

65.1026, 56.4841,
85.1569

14.6911, 11.1839,
20.8634

86.1318, 76.0629,
111.3668

8.6878, 6.1907,
12.8340

111.2622, 99.7121,
142.4685

4.5936, 2.9614,
7.1849

140.8593,
127.8159, 178.8804

2.0431, 1.1116,
3.4978

175.2883,
160.7588, 221.0211

0.6580, 0.0000,
1.3541

214.9146,

0.0000, 0.0000,

198.9252, 269.3091

0.1055

260.1035,
242.6994, 324.1630

■ 0.0000, 0.0000,
0.0000

■ 33.8865, 27.9998,
45.7380

■ 33.8865, 27.9998,
45.7380

■ 31.6847, 23.7158,
45.0276

■ 36.4976, 33.1009,
46.5854

■ 29.8682, 20.2027,
44.4452

■ 39.5350, 39.0549,
47.5746

■ 28.4147, 17.4153,
43.9838

■ 43.0181, 45.8999,
48.7122

■ 27.2985, 15.3022,
43.6347

■ 46.9642, 53.6707,
50.0041

■ 26.4906, 13.8053,
43.3884

■ 51.3897, 62.4000,
51.4558

■ 25.9569, 12.8566,
43.2334

■ 56.3104, 72.1192,
53.0724

■ 25.6422, 12.3456,
43.1514

■ 61.7410, 82.8581,
54.8590

■ 25.5901, 12.2639,
43.1383

■ 62.5831, 84.4195,
55.1160

■ 62.6660, 84.4622,
55.1199

Harmonies

Analogous

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



30.2548, 27.9998, 56.7627



33.8865, 27.9998, 45.7380



35.5757, 27.9998, 32.4046

Triad

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



33.8865, 27.9998, 45.7380



27.2744, 27.9998, 12.6583



19.9170, 27.9998, 41.6048

Complementary

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



33.8865, 27.9998, 45.7380



28.8709, 38.0672, 26.2495

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.



19.2982, 27.9998, 28.6467



33.8865, 27.9998, 45.7380



23.2758, 27.9998, 13.9064

Square

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



33.8865, 27.9998, 45.7380



31.5094, 27.9998, 15.0496



20.4627, 27.9998, 19.0701



22.2520, 27.9998, 53.9666

Rectangle

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



33.8865, 27.9998, 45.7380



35.2554, 27.9998, 24.7158



20.4627, 27.9998, 19.0701



19.5127, 27.9998, 37.0933

Sweetspot

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



33.8874, 28.0010, 45.7386



71.6638, 70.7645, 86.2630



24.8775, 23.6817, 45.3797



15.6833, 15.2975, 19.0484



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.8874, 28.0010, 45.7386



58.7738, 45.5629, 82.0780



31.9686, 27.2599, 34.4416



8.8329, 8.6379, 10.7081



18.3165, 8.7783, 30.8660



0.5816, 0.2789, 0.9714

Inverse Universe

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



30.0427, 26.4896, 24.2998



50.6050, 42.3543, 36.3999



30.4365, 38.6759, 35.2824



8.5030, 8.5079, 8.8813



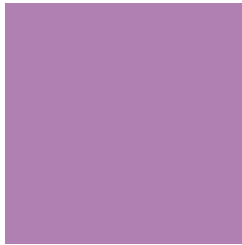
13.1536, 6.7790, 0.7031



0.4161, 0.2142, 0.0341

Previews

White Background



This preview shows how the XYZ color 33.8865, 27.9998, 45.7380 looks on a white background.

Color Contrast Check

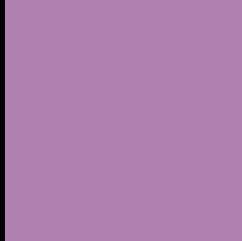
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8865, 27.9998, 45.7380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

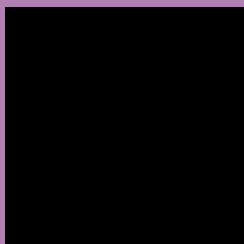
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8865, 27.9998, 45.7380

Background



This preview shows how black text looks on a background with the XYZ color 33.8865, 27.9998, 45.7380.



This preview shows how white text looks on a background with the XYZ color 33.8865, 27.9998,

45.7380.

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

33.8865, 27.9998, 45.7380

Protanopia

28.5235, 28.2246, 52.0887

Deuteranopia

28.5904, 27.9845, 44.4521



Tritanopia

30.6492, 27.8652, 30.5512

Trichromacy



Original Color

33.8865, 27.9998, 45.7380

Protanomaly

30.0582, 27.9756, 49.7145

Deuteranomaly

30.1582, 27.7115, 44.8336

Tritanomaly

31.7926, 27.9355, 35.6147

Monochromacy



Original Color

33.8865, 27.9998, 45.7380

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.0810, 28.9239, 36.7983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8865, 27.9998, 45.7380 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(177, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(177, 128, 178)  
}
```

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(177, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 128, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.8865, 27.9998, 45.7380 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(177, 128, 178) }
```


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

```
.border{ border-color:rgb(177, 128, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(177, 128,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8865, 27.9998, 45.7380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 128, 178) }
```

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

```
.background{ background-color: rgb(177,  
128, 178) }
```

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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