

Converting Colors

XYZ(33.4899, 27.4681, 45.1252)

Have a look what the booklet for
XYZ(33.4899, 27.4681, 45.1252)
contains.

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Color

**XYZ(33.5281, 27.4431,
45.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	B17EB1
RGB	177, 126, 177
RGB Percent	69%, 49%, 69%
CMY	0.3059, 0.5059, 0.3059
CMYK	0.00, 0.29, 0.00, 0.31
HSL	300°, 25%, 59%
HSV	300°, 29%, 69%
XYZ	33.5281, 27.4431, 45.1249
YIQ	147.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

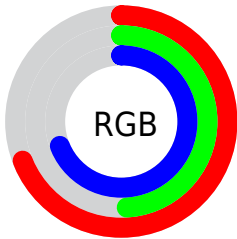
Format	Color
RYB	177, 126, 177
Decimal	11632305
CIELab	59.38, 28.36, -19.14
CIELCh	59, 34.219, 325.983
Yxy	27.4431, 0.3160, 0.2587
Android (android.graphics.Color)	4289822385 (0xFFB17EB1)
YUV	147.0630, 14.7589, 26.2547
Hunter-Lab	52.3862, 22.5675, -14.4015

Details

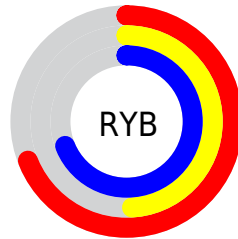
The XYZ color **33.5281, 27.4431, 45.1249** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.0933, 37.3871, 25.4759**, and the grayscale version is **27.6967, 29.1391, 31.7325**.

A 20% lighter version of the original color is **64.4324, 55.4470, 84.3972**, and **14.5347, 10.9092, 20.4084** is the 20% darker color. If you saturate the color by 10%, you get **31.4623, 23.3109, 44.4365**, and if you desaturate by 10%, it is **35.9961, 32.3786, 45.9479**.

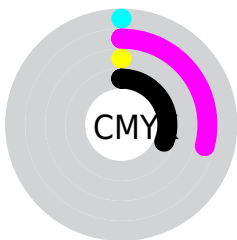
Distribution



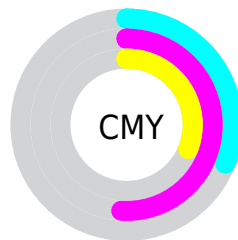
- Red (69%)
- Green (49%)
- Blue (69%)



- Red (69%)
- Yellow (49%)
- Blue (69%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)



- Cyan (31%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5281, 27.4431, 45.1249 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 33.5281, 27.4431, 45.1249 by changing the saturation by 10% instead.

■ 33.5281, 27.4431,
45.1249

■ 33.5281, 27.4431,
45.1249

309.6458,
289.7962, 383.4540

■ 22.6925, 17.9063,
31.2122

■ 64.5483, 55.5941,
84.2282

■ 14.4860, 10.8827,
20.5006

■ 85.4636, 74.9770,
110.2559

■ 8.5434, 5.9880,
12.5718

■ 110.4696, 98.4108,
141.1590

■ 4.4993, 2.8378,
7.0071

139.9315,
126.2799, 177.3560

■ 1.9883, 1.0476,
3.3880

174.2147,
158.9685, 219.2654

■ 0.6274, 0.0000,
1.2960

213.6846,

■ 0.0000, 0.0000,

196.8612, 267.3059

0.0585

258.7065,
240.3423, 321.8959

■ 0.0000, 0.0000,
0.0000

■ 33.5281, 27.4431,
45.1249

■ 33.5281, 27.4431,
45.1249

■ 31.4623, 23.3109,
44.4365

■ 35.9961, 32.3786,
45.9479

■ 29.7749, 19.9362,
43.8740

■ 38.8832, 38.1528,
46.9104

■ 28.4438, 17.2740,
43.4302

■ 42.2086, 44.8036,
48.0189

■ 27.4434, 15.2733,
43.0967

■ 45.9895, 52.3653,
49.2793

■ 26.7449, 13.8763,
42.8638

■ 50.2421, 60.8705,
50.6969

■ 26.3142, 13.0150,
42.7202

■ 54.9819, 70.3501,
52.2769

■ 26.0903, 12.5672,
42.6455

■ 60.2237, 80.8336,
54.0242

■ 26.0675, 12.5216,
42.6379

■ 61.8277, 84.0416,
54.5589

■ 61.8277, 84.0416,
54.5590

Harmonies

Analogous

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



29.8633, 27.4431, 56.5143



33.5281, 27.4431, 45.1249



35.1984, 27.4431, 31.5651

Triad

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



33.5281, 27.4431, 45.1249



26.6655, 27.4431, 11.9795



19.3550, 27.4431, 41.4591

Complementary

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



33.5281, 27.4431, 45.1249



28.0933, 37.3871, 25.4759

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.



18.6965, 27.4431, 28.2577



33.5281, 27.4431, 45.1249



22.6375, 27.4431, 13.2900

Square

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



33.5281, 27.4431, 45.1249



30.9712, 27.4431, 14.2769



19.8321, 27.4431, 18.5265



21.7398, 27.4431, 54.0230

Rectangle

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



33.5281, 27.4431, 45.1249



34.8354, 27.4431, 23.8421



19.8321, 27.4431, 18.5265



18.9365, 27.4431, 36.8619

Sweetspot

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



33.5290, 27.4443, 45.1255



69.4481, 67.9504, 83.9506



24.0020, 22.5330, 44.6798



14.8814, 14.3878, 18.1371



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.



33.5290, 27.4443, 45.1255



57.4607, 43.9758, 79.9545



31.2199, 26.5207, 32.9661



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Inverse Universe

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



33.5290, 27.4443, 45.1255



57.4607, 43.9758, 79.9545



29.9539, 38.1314, 35.2739



8.8501, 8.6467, 10.7089



18.8865, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 33.5281, 27.4431, 45.1249 looks on a white background.

Color Contrast Check

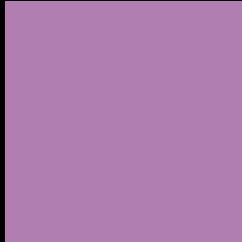
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5281, 27.4431, 45.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

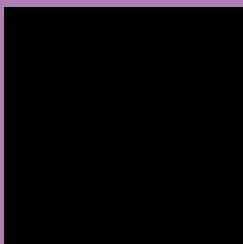
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5281, 27.4431, 45.1249

Background



This preview shows how black text looks on a background with the XYZ color 33.5281, 27.4431, 45.1249.



This preview shows how white text looks on a background with the XYZ color 33.5281, 27.4431,

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

33.5281, 27.4431, 45.1249

Protanopia

28.1102, 27.8021, 51.4617

Deuteranopia

28.1734, 27.5629, 43.8797



Tritanopia

30.3587, 27.5289, 29.7001

Trichromacy



Original Color

33.5281, 27.4431, 45.1249

Protanomaly

29.6686, 27.3649, 49.0657

Deuteranomaly

29.9194, 27.3917, 44.2676

Tritanomaly

31.3546, 27.3305, 34.6331

Monochromacy



Original Color

33.5281, 27.4431, 45.1249

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.5047, 28.2030, 36.2364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5281, 27.4431, 45.1249 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, 126, 177)` looks like.

```
.text, #text, p{  
    color:rgb(177, 126, 177)  
}
```

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, 126, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 126, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.5281, 27.4431, 45.1249 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, 126, 177) }
```


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

```
.border{ border-color:rgb(177, 126, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 126, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 126, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 126, 177);  
box-shadow:4px 4px 4px 4px rgb(177, 126,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5281, 27.4431, 45.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 126, 177) }
```

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

```
.background{ background-color: rgb(177,  
126, 177) }
```

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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