

Converting Colors

XYZ(30.0442, 28.1234, 45.2287)

Have a look what the booklet for
XYZ(30.0442, 28.1234, 45.2287)
contains.

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Color

**XYZ(29.9732, 28.0267,
45.4249)**

Conversions

Conversions Part 1

Format	Color
Hex	988AB1
RGB	152, 138, 177
RGB Percent	60%, 54%, 69%
CMY	0.4039, 0.4588, 0.3059
CMYK	0.14, 0.22, 0.00, 0.31
HSL	262°, 20%, 62%
HSV	262°, 22%, 69%
XYZ	29.9732, 28.0267, 45.4249
YIQ	146.6320, -4.1750, 15.0970

Conversions

Conversions Part 2

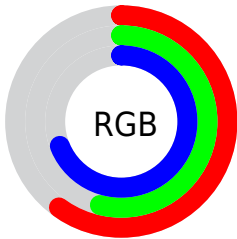
Format	Color
R_{YB}	152, 138, 177
Decimal	9996977
CIE _{Lab}	59.91, 13.12, -18.56
CIE _{LCh}	60, 22.728, 305.260
Yxy	28.0267, 0.2898, 0.2710
Android (android.graphics.Color)	4288187057 (0xFF988AB1)
YUV	146.6320, 14.9714, 4.7077
Hunter-Lab	52.9402, 8.4160, -13.8151

Details

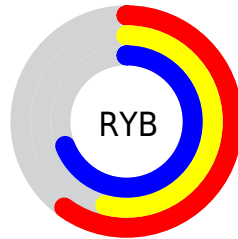
The XYZ color **29.9732, 28.0267, 45.4249** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.4148, 41.0665, 30.1061**, and the grayscale version is **27.5235, 28.9569, 31.5341**.

A 20% lighter version of the original color is **59.0709, 56.4102, 84.8657**, and **12.4946, 11.2014, 20.5723** is the 20% darker color. If you saturate the color by 10%, you get **25.6149, 22.3129, 44.5522**, and if you desaturate by 10%, it is **34.9503, 34.6753, 46.4463**.

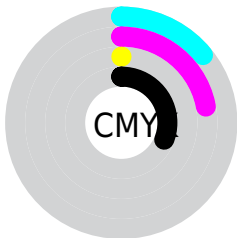
Distribution



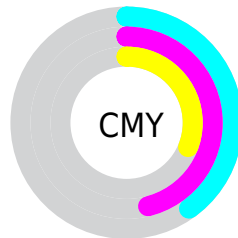
- Red (60%)
- Green (54%)
- Blue (69%)



- Red (60%)
- Yellow (54%)
- Blue (69%)



- Cyan (14%)
- Magenta (22%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (46%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9732, 28.0267, 45.4249 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 29.9732, 28.0267, 45.4249 by changing the saturation by 10% instead.

■ 29.9732, 28.0267,
45.4249

■ 29.9732, 28.0267,
45.4249

293.6916,
292.5945, 384.7019

■ 19.9662, 18.3458,
31.4469

■ 59.0067, 56.5271,
84.6828

■ 12.4786, 11.1985,
20.6780

■ 78.7640, 76.1153,
110.7998

■ 7.1450, 6.2005,
12.6999

■ 102.5020, 99.7748,
141.8002

■ 3.6001, 2.9674,
7.0939

130.5862,
127.8899, 178.1025

■ 1.4785, 1.1147,
3.4416

163.3819,
160.8450, 220.1253

■ 0.3111, 0.0000,
1.3243

201.2544,

■ 0.0000, 0.0000,

199.0246, 268.2871

0.0816

244.5692,
242.8129, 323.0064

■ 0.0000, 0.0000,
0.0000

■ 29.9732, 28.0267,
45.4249

■ 29.9732, 28.0267,
45.4249

■ 25.6149, 22.3129,
44.5522

■ 34.9503, 34.6753,
46.4463

■ 21.8470, 17.4874,
43.8194

■ 40.5678, 42.2952,
47.6211

■ 18.6428, 13.5050,
43.2196

■ 46.8491, 50.9255,
48.9558

■ 15.9724, 10.3149,
42.7445

■ 53.8159, 60.6018,
50.4563

■ 13.8027, 7.8606,
42.3852

■ 61.4889, 71.3581,
52.1281

12.0963, 6.0780,
42.1310

69.8877, 83.2268,
53.9763

10.8099, 4.8912,
41.9698

76.7891, 91.7545,
55.2586

10.0201, 4.2488,
41.8874

80.5802, 93.7089,
55.4360

84.6132, 95.7880,
55.6247

Harmonies

Analogous

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



27.1506, 28.0267, 49.2420



29.9732, 28.0267, 45.4249



32.0047, 28.0267, 37.6647

Triad

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



29.9732, 28.0267, 45.4249



29.0298, 28.0267, 18.2354



21.4845, 28.0267, 31.9969

Complementary

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



29.9732, 28.0267, 45.4249



35.4148, 41.0665, 30.1061

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.



21.9085, 28.0267, 24.3349



29.9732, 28.0267, 45.4249



26.1329, 28.0267, 17.2654

Square

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



29.9732, 28.0267, 45.4249



31.4331, 28.0267, 22.2282



23.5609, 28.0267, 19.2889



22.3582, 28.0267, 40.6443

Rectangle

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



29.9732, 28.0267, 45.4249



32.5623, 28.0267, 31.8490



23.5609, 28.0267, 19.2889



21.4807, 28.0267, 29.2213

Sweetspot

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



29.9741, 28.0279, 45.4255



67.3907, 68.5841, 84.1815



31.5774, 34.8974, 46.6670



14.4801, 14.6944, 18.2174



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.



29.9741, 28.0279, 45.4255



50.1042, 45.4795, 80.6329



33.8524, 30.0272, 45.6070



8.3203, 8.3736, 10.6841



7.3209, 3.1099, 30.3514



0.2955, 0.1314, 0.9580

Inverse Universe

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



33.8317, 30.1696, 38.6917



58.2109, 49.9842, 66.3068



31.7859, 39.1958, 29.9363



8.7180, 8.5939, 10.0132



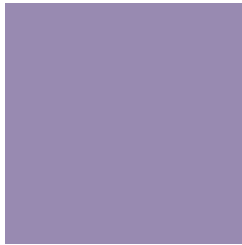
15.3453, 7.6557, 12.2440



0.5095, 0.2515, 0.5256

Previews

White Background



This preview shows how the XYZ color 29.9732, 28.0267, 45.4249 looks on a white background.

Color Contrast Check

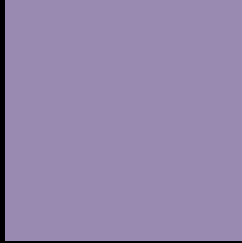
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9732, 28.0267, 45.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

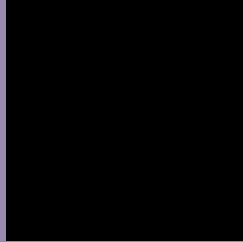
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9732, 28.0267, 45.4249

Background



This preview shows how black text looks on a background with the XYZ color 29.9732, 28.0267, 45.4249.



This preview shows how white text looks on a background with the XYZ color 29.9732, 28.0267,

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

29.9732, 28.0267, 45.4249

Protanopia

28.0524, 28.0911, 47.1236

Deuteranopia

28.5167, 27.9351, 44.9633



Tritanopia

27.6355, 27.9418, 34.0738

Trichromacy



Original Color

29.9732, 28.0267, 45.4249

Protanomaly

28.6461, 27.9671, 46.5362

Deuteranomaly

29.0686, 28.0017, 44.9471

Tritanomaly

28.4409, 28.0479, 38.0972

Monochromacy



Original Color

29.9732, 28.0267, 45.4249

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.5392, 28.8047, 36.4034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9732, 28.0267, 45.4249 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(152, 138, 177)` looks like.

```
.text, #text, p{  
    color:rgb(152, 138, 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(152, 138, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 138, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.9732, 28.0267, 45.4249 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(152, 138, 177) }
```


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

```
.border{ border-color:rgb(152, 138, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 138, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 138, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 138, 177);  
box-shadow:4px 4px 4px 4px rgb(152, 138,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9732, 28.0267, 45.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 138, 177) }
```

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

```
.background{ background-color: rgb(152,  
138, 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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