

Converting Colors

XYZ(29.8900, 25.2960, 48.6546)

Have a look what the booklet for
XYZ(29.8900, 25.2960, 48.6546)
contains.

XYZ(29.8900, 25.2960, 48.6546)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.8900, 25.2960,
48.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7DB8
RGB	157, 125, 184
RGB Percent	62%, 49%, 72%
CMY	0.3843, 0.5098, 0.2784
CMYK	0.15, 0.32, 0.00, 0.28
HSL	273°, 29%, 61%
HSV	273°, 32%, 72%
XYZ	29.8900, 25.2960, 48.6546
YIQ	141.2940, 0.1330, 25.1330

Conversions

Conversions Part 2

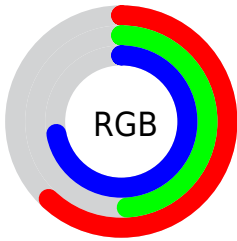
Format	Color
R_{YB}	157, 125, 184
Decimal	10321336
CIE _{Lab}	57.36, 23.80, -26.42
CIE _{LCh}	57, 35.555, 312.014
Yxy	25.2960, 0.2878, 0.2436
Android (android.graphics.Color)	4288511416 (0xFF9D7DB8)
YUV	141.2940, 21.0541, 13.7742
Hunter-Lab	50.2951, 18.0647, -22.1495

Details

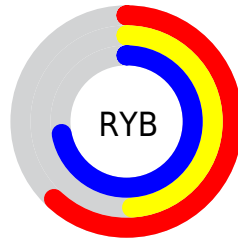
The XYZ color **29.8900, 25.2960, 48.6546** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.7917, 42.4376, 25.8133**, and the grayscale version is **25.3534, 26.6737, 29.0477**.

A 20% lighter version of the original color is **58.7999, 52.1291, 89.4009**, and **12.5069, 9.8108, 22.7072** is the 20% darker color. If you saturate the color by 10%, you get **26.1865, 20.2438, 47.8750**, and if you desaturate by 10%, it is **34.1400, 31.2716, 49.5844**.

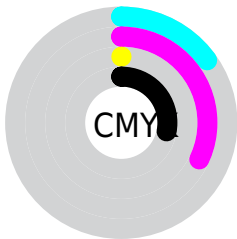
Distribution



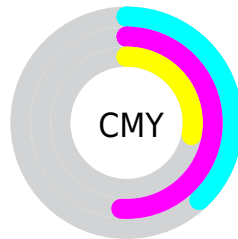
- Red (62%)
- Green (49%)
- Blue (72%)



- Red (62%)
- Yellow (49%)
- Blue (72%)



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (28%)



- Cyan (38%)
- Magenta (51%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8900, 25.2960, 48.6546 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 29.8900, 25.2960, 48.6546 by changing the saturation by 10% instead.

■ 29.8900, 25.2960,
48.6546

■ 29.8900, 25.2960,
48.6546

293.3104,
279.3088, 397.9643

■ 19.9028, 16.2977,
33.9819

■ 58.8760, 52.1370,
89.5539

■ 12.4322, 9.7351,
22.6024

■ 78.6055, 70.7485,
116.6176

■ 7.1131, 5.2237,
14.0977

■ 102.3131, 93.3333,
148.6487

■ 3.5799, 2.3791,
8.0491

130.3642,
120.2756, 186.0658

■ 1.4673, 0.8151,
4.0382

163.1241,
151.9599, 229.2873

■ 0.3034, 0.0000,
1.6463

200.9582,

■ 0.0000, 0.0000,

188.7707, 278.7319

0.3235

244.2319,
231.0922, 334.8180

■ 0.0000, 0.0000,
0.0000

■ 29.8900, 25.2960,
48.6546

■ 29.8900, 25.2960,
48.6546

■ 26.1865, 20.2438,
47.8750

■ 34.1400, 31.2716,
49.5844

■ 23.0007, 16.0630,
47.2360

■ 38.9580, 38.2127,
50.6702

■ 20.3049, 12.7011,
46.7291

■ 44.3677, 46.1625,
51.9196

■ 18.0677, 10.0984,
46.3447

■ 50.3903, 55.1606,
53.3390

■ 16.2529, 8.1867,
46.0713

■ 57.0462, 65.2445,
54.9346

■ 14.8182, 6.8849,
45.8957

■ 64.3545, 76.4497,
56.7122

■ 13.8850, 6.1585,
45.8047

■ 72.3337, 88.8101,
58.6774

■ 75.2653, 90.8863,
58.9237

■ 77.9458, 92.2681,
59.0491

Harmonies

Analogous

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



25.7711, 25.2960, 57.0790



29.8900, 25.2960, 48.6546



32.6111, 25.2960, 35.3553

Triad

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



29.8900, 25.2960, 48.6546



26.6352, 25.2960, 10.8315



16.9511, 25.2960, 32.6662

Complementary

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



29.8900, 25.2960, 48.6546



33.7917, 42.4376, 25.8133

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.



17.1249, 25.2960, 20.9757



29.8900, 25.2960, 48.6546



22.3941, 25.2960, 10.4989

Square

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



29.8900, 25.2960, 48.6546



30.5860, 25.2960, 14.7386



19.0132, 25.2960, 13.6394



18.5069, 25.2960, 46.1971

Rectangle

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



29.8900, 25.2960, 48.6546



33.0929, 25.2960, 26.7347



19.0132, 25.2960, 13.6394



16.8147, 25.2960, 28.3676

Sweetspot

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



29.8908, 25.2970, 48.6552



72.3976, 71.8607, 92.2593



28.4250, 30.4516, 49.7273



15.3251, 15.0797, 19.8246



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.8908, 25.2970, 48.6552



49.6633, 39.6545, 87.2411



35.5484, 28.2373, 47.8512



8.9739, 8.9529, 11.3345



9.6518, 4.2869, 31.5718



0.4107, 0.1874, 1.1163

Inverse Universe

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



32.7690, 27.1255, 33.2151



55.8467, 43.5765, 54.3532



29.4273, 40.1730, 26.2715



9.1709, 9.0787, 10.2475



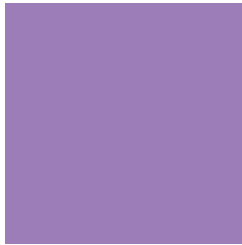
14.7666, 7.4804, 6.6577



0.5519, 0.2762, 0.3995

Previews

White Background



This preview shows how the XYZ color 29.8900, 25.2960, 48.6546 looks on a white background.

Color Contrast Check

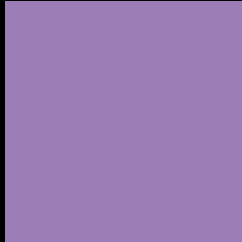
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8900, 25.2960, 48.6546 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 29.8900, 25.2960, 48.6546

Background



This preview shows how black text looks on a background with the XYZ color 29.8900, 25.2960, 48.6546.



This preview shows how white text looks on a background with the XYZ color 29.8900, 25.2960,

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

29.8900, 25.2960, 48.6546

Protanopia

26.2037, 25.4790, 53.4060

Deuteranopia

26.0001, 25.4977, 47.8072



Tritanopia

25.9231, 25.2423, 29.4925

Trichromacy



Original Color

29.8900, 25.2960, 48.6546

Protanomaly

27.2681, 25.2450, 51.5797

Deuteranomaly

27.2797, 25.3247, 48.2501

Tritanomaly

27.2911, 25.2062, 35.7746

Monochromacy



Original Color

29.8900, 25.2960, 48.6546

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.7824, 25.9653, 35.4985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8900, 25.2960, 48.6546 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(157, 125, 184)` looks like.

```
.text, #text, p{  
    color:rgb(157, 125, 184)  
}
```

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(157, 125, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 125, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.8900, 25.2960, 48.6546 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(157, 125, 184) }
```


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

```
.border{ border-color:rgb(157, 125, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 125, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 125, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 125, 184);  
box-shadow:4px 4px 4px 4px rgb(157, 125,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8900, 25.2960, 48.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 125, 184) }
```

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

```
.background{ background-color: rgb(157,  
125, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor