

Converting Colors

XYZ(29.9490, 27.3709, 49.0886)

Have a look what the booklet for
XYZ(29.9490, 27.3709, 49.0886)
contains.

XYZ(29.8934, 27.2727, 49.0360)	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(29.8934, 27.2727,
49.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	9687B8
RGB	150, 135, 184
RGB Percent	59%, 53%, 72%
CMY	0.4118, 0.4706, 0.2784
CMYK	0.18, 0.27, 0.00, 0.28
HSL	258°, 26%, 63%
HSV	258°, 27%, 72%
XYZ	29.8934, 27.2727, 49.0360
YIQ	145.0710, -6.7890, 18.4190

Conversions

Conversions Part 2

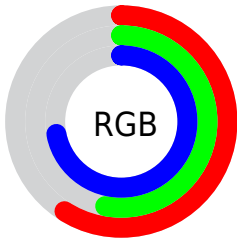
Format	Color
R_{YB}	150, 135, 184
Decimal	9865144
CIE _{Lab}	59.23, 15.78, -23.60
CIE _{LCh}	59, 28.391, 303.764
Yxy	27.2727, 0.2815, 0.2568
Android (android.graphics.Color)	4288055224 (0xFF9687B8)
YUV	145.0710, 19.1920, 4.3227
Hunter-Lab	52.2233, 10.7854, -19.1151

Details

The XYZ color **29.8934, 27.2727, 49.0360** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.8767, 44.4659, 29.5094**, and the grayscale version is **26.8697, 28.2690, 30.7850**.

A 20% lighter version of the original color is **58.8882, 55.2368, 89.9961**, and **12.3822, 10.7324, 22.8917** is the 20% darker color. If you saturate the color by 10%, you get **25.3220, 21.4292, 48.1495**, and if you desaturate by 10%, it is **35.1663, 34.1377, 50.0836**.

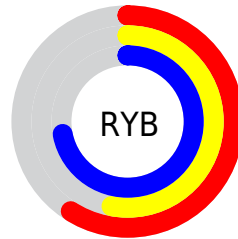
Distribution



Red (59%)

Green (53%)

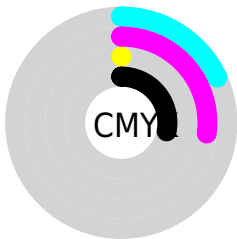
Blue (72%)



Red (59%)

Yellow (53%)

Blue (72%)

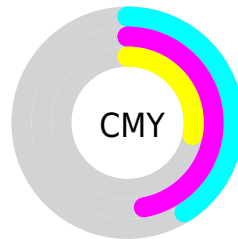


Cyan (18%)

Magenta (27%)

Yellow (0%)

Black (28%)



Cyan (41%)

Magenta (47%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8934, 27.2727, 49.0360 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 29.8934, 27.2727, 49.0360 by changing the saturation by 10% instead.

■ 29.8934, 27.2727,
49.0360

■ 29.8934, 27.2727,
49.0360

293.3260,
288.9751, 399.5106

■ 19.9054, 17.7781,
34.2822

■ 58.8813, 55.3212,
90.1265

■ 12.4341, 10.7908,
22.8314

■ 78.6120, 74.6438,
117.3002

■ 7.1144, 5.9264,
14.2649

■ 102.3208, 98.0113,
149.4511

■ 3.5807, 2.8003,
8.1643

130.3732,
125.8081, 186.9976

■ 1.4678, 1.0284,
4.1110

163.1346,
158.4184, 230.3582

■ 0.3037, 0.0000,
1.6864

200.9703,

■ 0.0000, 0.0000,

196.2268, 279.9516

0.3514

244.2456,
239.6175, 336.1962

■ 0.0000, 0.0000,
0.0000

■ 29.8934, 27.2727,
49.0360

■ 29.8934, 27.2727,
49.0360

■ 25.3220, 21.4292,
48.1495

■ 35.1663, 34.1377,
50.0836

■ 21.4183, 16.5541,
47.4142

■ 41.1670, 42.0673,
51.2979

■ 18.1499, 12.5943,
46.8222

■ 47.9236, 51.1060,
52.6864

■ 15.4803, 9.4902,
46.3637

■ 55.4620, 61.2949,
54.2558

■ 13.3687, 7.1749,
46.0281

■ 63.8068, 72.6730,
56.0122

■ 11.7688, 5.5711,
45.8029

■ 72.9815, 85.2773,
57.9615

■ 10.6208, 4.5757,
45.6713

■ 80.1353, 93.3968,
59.1517

■ 10.3009, 4.3109,
45.6370

■ 84.6085, 95.7029,
59.3610

■ 85.6518, 96.2407,
59.4098

Harmonies

Analogous

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



26.3715, 27.2727, 53.7138



29.8934, 27.2727, 49.0360



32.5218, 27.2727, 39.1770

Triad

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



29.8934, 27.2727, 49.0360



29.0499, 27.2727, 15.4132



19.7038, 27.2727, 30.9941

Complementary

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



29.8934, 27.2727, 49.0360



37.8767, 44.4659, 29.5094

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.



20.2814, 27.2727, 21.8820



29.8934, 27.2727, 49.0360



25.4774, 27.2727, 14.1775

Square

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



29.8934, 27.2727, 49.0360



32.0045, 27.2727, 20.1223



22.3187, 27.2727, 16.2549



20.6633, 27.2727, 41.9055

Rectangle

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



29.8934, 27.2727, 49.0360



33.2970, 27.2727, 31.8642



22.3187, 27.2727, 16.2549



19.7251, 27.2727, 27.6272

Sweetspot

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



29.8943, 27.2738, 49.0366



72.9023, 73.9679, 92.6395



32.8882, 37.1002, 50.7755



15.3523, 15.4633, 19.8972



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.



29.8943, 27.2738, 49.0366



49.1456, 42.9652, 87.9075



34.8167, 29.8114, 49.2670



8.7728, 8.8492, 11.3251



7.1636, 3.0042, 31.4554



0.3177, 0.1395, 1.1119

Inverse Universe

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



35.5934, 30.3840, 41.5259



61.3530, 49.6350, 71.4619



33.1564, 42.0325, 29.2885



9.2607, 9.1146, 10.7202



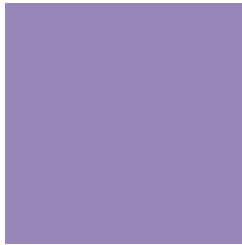
16.3267, 8.1044, 14.8729



0.6018, 0.2962, 0.6625

Previews

White Background



This preview shows how the XYZ color 29.8934, 27.2727, 49.0360 looks on a white background.

Color Contrast Check

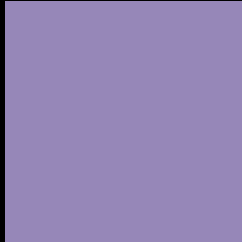
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8934, 27.2727, 49.0360 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 29.8934, 27.2727, 49.0360

Background



This preview shows how black text looks on a background with the XYZ color 29.8934, 27.2727, 49.0360.



This preview shows how white text looks on a background with the XYZ color 29.8934, 27.2727,

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

29.8934, 27.2727, 49.0360

Protanopia

27.8079, 27.4264, 51.4051

Deuteranopia

27.9170, 27.3260, 48.6028



Tritanopia

26.6940, 27.2460, 33.5579

Trichromacy



Original Color

29.8934, 27.2727, 49.0360

Protanomaly

28.5188, 27.3715, 50.7938

Deuteranomaly

28.4509, 27.1713, 48.5448

Tritanomaly

27.7875, 27.2566, 38.9184

Monochromacy



Original Color

29.8934, 27.2727, 49.0360

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.8155, 27.7560, 36.6923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8934, 27.2727, 49.0360 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(150, 135, 184)` looks like.

```
.text, #text, p{  
    color:rgb(150, 135, 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(150, 135, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 135, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.8934, 27.2727, 49.0360 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(150, 135, 184) }
```


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

```
.border{ border-color:rgb(150, 135, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 135, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 135, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 135, 184);  
box-shadow:4px 4px 4px 4px rgb(150, 135,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8934, 27.2727, 49.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 135, 184) }
```

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

```
.background{ background-color: rgb(150,  
135, 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