

Converting Colors

XYZ(27.0281, 15.8098, 49.5129)

Have a look what the booklet for
XYZ(27.0281, 15.8098, 49.5129)
contains.

XYZ(27.0699, 15.7860, 49.7644)	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(27.0699, 15.7860,
49.7644)**

Conversions

Conversions Part 1

Format	Color
Hex	A742BD
RGB	167, 66, 189
RGB Percent	65%, 26%, 74%
CMY	0.3451, 0.7412, 0.2588
CMYK	0.12, 0.65, 0.00, 0.26
HSL	289°, 48%, 50%
HSV	289°, 65%, 74%
XYZ	27.0699, 15.7860, 49.7644
YIQ	110.2210, 20.7130, 59.6650

Conversions

Conversions Part 2

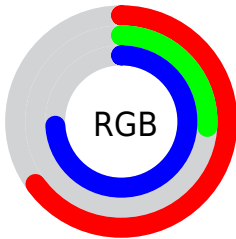
Format	Color
R_{YB}	167, 66, 189
Decimal	10961597
CIE _{Lab}	46.69, 58.74, -45.97
CIE _{LCh}	47, 74.589, 321.956
Yxy	15.7860, 0.2923, 0.1704
Android (android.graphics.Color)	4289151677 (0xFFA742BD)
YUV	110.2210, 38.8380, 49.7952
Hunter-Lab	39.7316, 52.0852, -46.4495

Details

The XYZ color **27.0699, 15.7860, 49.7644** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **23.2058, 38.8636, 11.4331**, and the grayscale version is **14.7729, 15.5422, 16.9254**.

A 20% lighter version of the original color is **54.5233, 36.3361, 91.3287**, and **10.9287, 5.1288, 23.3356** is the 20% darker color. If you saturate the color by 10%, you get **25.4379, 13.5678, 49.4225**, and if you desaturate by 10%, it is **29.0866, 18.7447, 50.2294**.

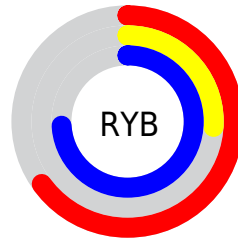
Distribution



Red (65%)

Green (26%)

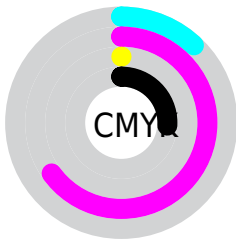
Blue (74%)



Red (65%)

Yellow (26%)

Blue (74%)

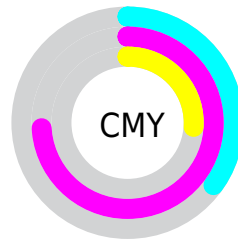


Cyan (12%)

Magenta (65%)

Yellow (0%)

Black (26%)



Cyan (35%)


Magenta (74%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0699, 15.7860, 49.7644 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 27.0699, 15.7860, 49.7644 by changing the saturation by 10% instead.

 27.0699, 15.7860,
49.7644


 27.0699, 15.7860,
49.7644


280.1568,
228.0756, 402.4525


 17.7626, 9.3728,
34.8564


 54.4151, 36.2263,
91.2184

 10.8783, 4.9852,
23.2696


 73.1837, 51.0222,
118.6015


 6.0518, 2.2386,
14.5855


 95.8368, 69.3812,
150.9799

 2.9175, 0.7409,
8.3856

 122.7397, 91.6876,
188.7724

 1.1103, 0.0000,
4.2514

 154.2578,
118.3259, 232.3973

 0.0337, 0.0000,
1.7642

190.7565,

 0.0000, 0.0000,

149.6804, 282.2733

0.4042

232.6010,
186.1355, 338.8188

■ 0.0000, 0.0000,
0.0000

■ 27.0699, 15.7860,
49.7644

■ 27.0699, 15.7860,
49.7644

■ 25.4379, 13.5678,
49.4225

■ 29.0866, 18.7447,
50.2294

■ 24.1509, 12.0128,
49.1902

■ 31.5186, 22.5067,
50.8274

■ 23.1638, 11.0302,
49.0526

■ 34.3956, 27.1305,
51.5683

■ 22.7408, 10.6622,
49.0038

■ 37.7439, 32.6686,
52.4607

■ 41.5877, 39.1692,
53.5129

■ 45.9496, 46.6770,
54.7322

■ 50.8505, 55.2342,
56.1255

■ 56.3104, 64.8802,
57.6996

■ 62.3481, 75.6526,
59.4607

Harmonies

Analogous

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



20.1454, 15.7860, 75.8182



27.0699, 15.7860, 49.7644



30.9749, 15.7860, 22.6641

Triad

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



27.0699, 15.7860, 49.7644



16.8108, 15.7860, 0.4649



6.1790, 15.7860, 34.2199

Complementary

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



27.0699, 15.7860, 49.7644



23.2058, 38.8636, 11.4331

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.



5.7579, 15.7860, 12.6742



27.0699, 15.7860, 49.7644



10.8217, 15.7860, 0.7918

Square

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



27.0699, 15.7860, 49.7644



24.0373, 15.7860, 1.6357



7.1923, 15.7860, 3.2631



8.5759, 15.7860, 63.1983

Rectangle

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



27.0699, 15.7860, 49.7644



30.7368, 15.7860, 10.8207



7.1923, 15.7860, 3.2631



5.8360, 15.7860, 25.6632

Sweetspot

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



27.0705, 15.7867, 49.7647



70.7612, 63.8284, 94.8168



14.9676, 11.9031, 49.6530



14.8099, 13.0400, 20.2790



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.0705, 15.7867, 49.7647



44.5269, 23.0024, 88.3193



28.4440, 16.9194, 30.6425



9.7581, 9.6077, 12.0124



15.3590, 7.2039, 32.9739



0.6461, 0.3051, 1.2937

Inverse Universe

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



24.6963, 15.4203, 10.9077



40.6607, 22.7062, 11.4737



22.9920, 38.5727, 19.5853



9.5980, 9.5635, 10.2720



14.3332, 7.3644, 1.7821



0.5831, 0.2971, 0.1838

Previews

White Background



This preview shows how the XYZ color 27.0699, 15.7860, 49.7644 looks on a white background.

Color Contrast Check

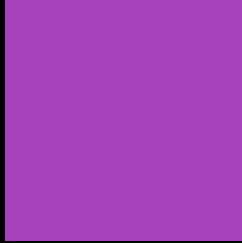
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.0699, 15.7860, 49.7644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

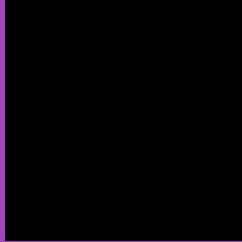
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0699, 15.7860, 49.7644

Background



This preview shows how black text looks on a background with the XYZ color 27.0699, 15.7860, 49.7644.



This preview shows how white text looks on a background with the XYZ color 27.0699, 15.7860,

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

27.0699, 15.7860, 49.7644

Protanopia

19.2613, 16.1168, 75.4945

Deuteranopia

16.5186, 16.1535, 45.9634



Tritanopia

19.7322, 15.7174, 14.0503

Trichromacy



Original Color

27.0699, 15.7860, 49.7644



Protanomaly

17.8892, 13.5014, 65.2815



Deuteranomaly

18.4529, 14.5882, 47.1906



Tritanomaly

21.5562, 15.2234, 23.6321

Monochromacy



Original Color

27.0699, 15.7860, 49.7644



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.0230, 14.6948, 26.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0699, 15.7860, 49.7644 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(167, 66, 189)` looks like.

```
.text, #text, p{  
    color:rgb(167, 66, 189)  
}
```

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(167, 66, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 66, 189) }
```

Border

The CSS property to change the border of an element to XYZ 27.0699, 15.7860, 49.7644 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(167, 66, 189) }
```


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

```
.border{ border-color:rgb(167, 66, 189) }
```

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

Here you see how a box with a 4 pixel rgb(167, 66, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 66, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 66, 189);  
box-shadow:4px 4px 4px 4px rgb(167, 66,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0699, 15.7860, 49.7644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 66, 189) }
```

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

```
.background{ background-color: rgb(167, 66,  
189) }
```

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