

Converting Colors

XYZ(28.8869, 16.1919, 49.4350)

Have a look what the booklet for
XYZ(28.8869, 16.1919, 49.4350)
contains.

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Color

**XYZ(28.7725, 16.1059,
49.1692)**

Conversions

Conversions Part 1

Format	Color
Hex	B13BBC
RGB	177, 59, 188
RGB Percent	69%, 23%, 74%
CMY	0.3059, 0.7686, 0.2627
CMYK	0.06, 0.69, 0.00, 0.26
HSL	295°, 52%, 48%
HSV	295°, 69%, 74%
XYZ	28.7725, 16.1059, 49.1692
YIQ	108.9880, 28.9190, 65.1350

Conversions

Conversions Part 2

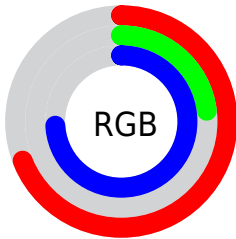
Format	Color
R_{YB}	177, 59, 188
Decimal	11615164
CIE _{Lab}	47.11, 63.69, -44.63
CIE _{LCh}	47, 77.764, 324.981
Yxy	16.1059, 0.3059, 0.1713
Android (android.graphics.Color)	4289805244 (0xFFB13BBC)
YUV	108.9880, 38.9529, 59.6465
Hunter-Lab	40.1322, 57.7432, -44.5485

Details

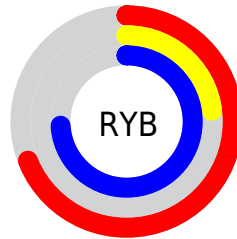
The XYZ color **28.7725, 16.1059, 49.1692** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **21.2990, 37.5847, 10.2704**, and the grayscale version is **14.4207, 15.1717, 16.5220**.

A 20% lighter version of the original color is **57.3189, 36.9162, 90.4907**, and **12.1882, 5.7862, 23.0287** is the 20% darker color. If you saturate the color by 10%, you get **27.6116, 14.3224, 48.8864**, and if you desaturate by 10%, it is **30.2868, 18.5887, 49.5688**.

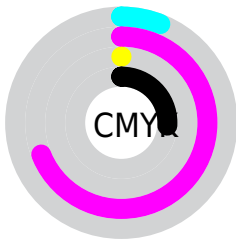
Distribution



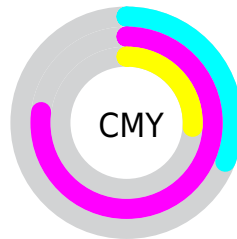
- Red (69%)
- Green (23%)
- Blue (74%)



- Red (69%)
- Yellow (23%)
- Blue (74%)



- Cyan (6%)
- Magenta (69%)
- Yellow (0%)
- Black (26%)




- Cyan (31%)
- Magenta (77%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7725, 16.1059, 49.1692 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 28.7725, 16.1059, 49.1692 by changing the saturation by 10% instead.

 28.7725, 16.1059,
49.1692


 28.7725, 16.1059,
49.1692


288.1536,
229.9658, 400.0496


 19.0522, 9.5991,
34.3872


 57.1155, 36.7820,
90.3263

 11.8122, 5.1340,
22.9114


 76.4689, 51.7200,
117.5384


 6.6872, 2.3261,
14.3234


 99.7641, 70.2373,
149.7310

 3.3119, 0.7875,
8.2046

 127.3664, 92.7182,
187.3226

 1.3208, 0.0000,
4.1365

 159.6411,
119.5471, 230.7317

 0.1987, 0.0000,
1.7005

196.9537,

 0.0000, 0.0000,

151.1084, 280.3769

0.3611

239.6694,
187.7865, 336.6767

■ 0.0000, 0.0000,
0.0000

■ 28.7725, 16.1059,
49.1692

■ 28.7725, 16.1059,
49.1692

■ 27.6116, 14.3224,
48.8864

■ 30.2868, 18.5887,
49.5688

■ 26.7628, 13.1574,
48.7062

■ 32.1862, 21.8357,
50.0955

■ 26.1609, 12.4798,
48.6072

■ 34.5009, 25.9070,
50.7593

■ 26.0838, 12.3981,
48.5955

■ 37.2576, 30.8560,
51.5693

■ 40.4809, 36.7315,
52.5335

■ 44.1933, 43.5789,
53.6595

■ 48.4160, 51.4404,
54.9544

■ 53.1690, 60.3559,
56.4247

■ 58.4710, 70.3630,
58.0768

Harmonies

Analogous

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



21.5484, 16.1059, 78.4596



28.7725, 16.1059, 49.1692



32.4630, 16.1059, 21.0361

Triad

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



28.7725, 16.1059, 49.1692



16.4857, 16.1059, 0.2631



6.2256, 16.1059, 38.6880

Complementary

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



28.7725, 16.1059, 49.1692



21.2990, 37.5847, 10.2704

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.



5.6012, 16.1059, 14.4485



28.7725, 16.1059, 49.1692



10.4065, 16.1059, 0.7509

Square

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



28.7725, 16.1059, 49.1692



24.1450, 16.1059, 1.2511



6.8776, 16.1059, 3.5998



8.9430, 16.1059, 69.8626

Rectangle

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



28.7725, 16.1059, 49.1692



31.8140, 16.1059, 9.5029



6.8776, 16.1059, 3.5998



5.8061, 16.1059, 29.1608

Sweetspot

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



28.7731, 16.1066, 49.1695



71.6844, 63.4921, 94.7032



13.1923, 9.1833, 48.6544



15.0643, 13.0129, 20.2603



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.



28.7731, 16.1066, 49.1695



49.2486, 24.8288, 88.4229



26.7760, 15.6089, 25.0444



9.8476, 9.6538, 12.0166



17.7902, 8.4573, 33.0877



0.7207, 0.3436, 1.2972

Inverse Universe

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



23.4090, 14.2622, 7.3142



39.3367, 21.5215, 6.5212



22.6347, 38.0356, 21.0733



9.5623, 9.5492, 10.0842



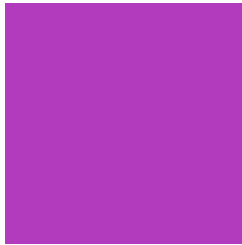
14.1960, 7.3096, 1.0599



0.5674, 0.2909, 0.1012

Previews

White Background



This preview shows how the XYZ color 28.7725, 16.1059, 49.1692 looks on a white background.

Color Contrast Check

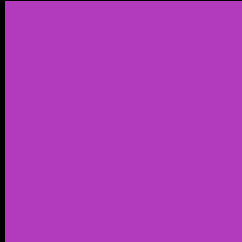
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7725, 16.1059, 49.1692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

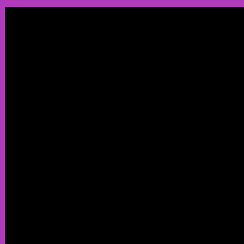
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7725, 16.1059, 49.1692

Background



This preview shows how black text looks on a background with the XYZ color 28.7725, 16.1059, 49.1692.



This preview shows how white text looks on a background with the XYZ color 28.7725, 16.1059,

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

28.7725, 16.1059, 49.1692

Protanopia

19.6455, 16.4383, 77.0004

Deuteranopia

16.7549, 16.2989, 44.9107



Tritanopia

21.4096, 16.0963, 13.0448

Trichromacy



Original Color

28.7725, 16.1059, 49.1692



Protanomaly

18.0363, 13.3086, 65.9082



Deuteranomaly

18.9134, 14.5856, 46.0744



Tritanomaly

23.2644, 15.5798, 22.5499

Monochromacy



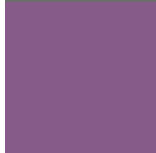
Original Color

28.7725, 16.1059, 49.1692



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

18.1600, 14.3855, 25.8643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7725, 16.1059, 49.1692 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, 59, 188)` looks like.

```
.text, #text, p{  
    color:rgb(177, 59, 188)  
}
```

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, 59, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 59, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.7725, 16.1059, 49.1692 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, 59, 188) }
```


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

```
.border{ border-color:rgb(177, 59, 188) }
```

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

Here you see how a box with a 4 pixel rgb(177, 59, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 59, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 59, 188);  
box-shadow:4px 4px 4px 4px rgb(177, 59,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7725, 16.1059, 49.1692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 59, 188) }
```

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

```
.background{ background-color: rgb(177, 59,  
188) }
```

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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