

Converting Colors

XYZ(28.3624, 15.6140, 63.9119)

Have a look what the booklet for
XYZ(28.3624, 15.6140, 63.9119)
contains.

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Color

**XYZ(28.3998, 15.6666,
63.8145)**

Conversions

Conversions Part 1

Format	Color
Hex	A23CD4
RGB	162, 60, 212
RGB Percent	64%, 24%, 83%
CMY	0.3647, 0.7647, 0.1686
CMYK	0.24, 0.72, 0.00, 0.17
HSL	280°, 64%, 53%
HSV	280°, 72%, 83%
XYZ	28.3998, 15.6666, 63.8145
YIQ	107.8260, 12.0000, 68.8960

Conversions

Conversions Part 2

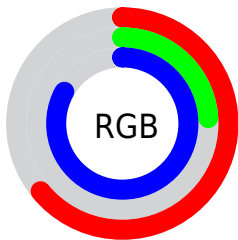
Format	Color
R_{YB}	162, 60, 212
Decimal	10632404
CIE _{Lab}	46.53, 64.73, -59.55
CIE _{LCh}	47, 87.956, 317.382
Yxy	15.6666, 0.2633, 0.1452
Android (android.graphics.Color)	4288822484 (0xFFA23CD4)
YUV	107.8260, 51.3578, 47.5106
Hunter-Lab	39.5811, 58.8087, -67.8835

Details

The XYZ color **28.3998, 15.6666, 63.8145** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **30.7899, 50.7286, 12.4443**, and the grayscale version is **14.0646, 14.7970, 16.1140**.

A 20% lighter version of the original color is **54.1142, 35.0829, 98.5273**, and **11.8264, 5.4036, 31.8722** is the 20% darker color. If you saturate the color by 10%, you get **26.1259, 13.1631, 63.4514**, and if you desaturate by 10%, it is **31.1983, 19.1010, 64.3302**.

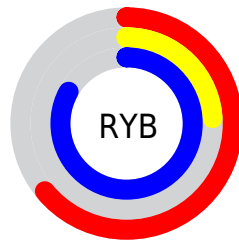
Distribution



Red (64%)

Green (24%)

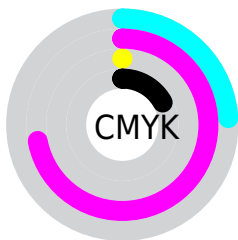
Blue (83%)



Red (64%)

Yellow (24%)

Blue (83%)

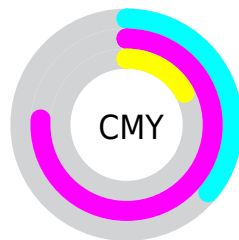


Cyan (24%)

Magenta (72%)

Yellow (0%)

Black (17%)



Cyan (36%)

Magenta (76%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3998, 15.6666, 63.8145 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 28.3998, 15.6666, 63.8145 by changing the saturation by 10% instead.

■ 28.3998, 15.6666,
63.8145

■ 28.3998, 15.6666,
63.8145

286.4180,
227.3663, 456.7085

■ 18.7692, 9.2885,
46.0552

■ 56.5263, 36.0184,
111.9406

■ 11.6067, 4.9299,
31.9404

■ 75.7530, 50.7610,
143.1446

■ 6.5467, 2.2062,
21.0516

■ 98.9090, 69.0605,
179.6672

■ 3.2241, 0.7234,
12.9701

■ 126.3599, 91.3014,
221.9269

■ 1.2733, 0.0000,
7.2775

■ 158.4708,
117.8680, 270.3424

■ 0.1631, 0.0000,
3.5552

195.6072,

■ 0.0000, 0.0000,

149.1448, 325.3321

1.3846

238.1345,
185.5161, 387.3147

■ 0.0000, 0.0000,
0.1297

■ 0.0000, 0.0000,
0.0000

■ 28.3998, 15.6666,
63.8145

■ 28.3998, 15.6666,
63.8145

■ 26.1259, 13.1631,
63.4514

■ 31.1983, 19.1010,
64.3302

■ 24.3164, 11.4744,
63.2208

■ 34.5679, 23.5600,
65.0133

■ 23.0845, 10.5277,
63.1030

■ 38.5519, 29.1275,
65.8779

■ 43.1886, 35.8782,
66.9366

■ 48.5126, 43.8801,
68.2005

■ 54.5564, 53.1960,
69.6801

■ 61.3499, 63.8844,
71.3851

■ 68.9214, 76.0001,
73.3246

■ 77.2977, 89.5952,
75.5072

Harmonies

Analogous

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



19.6838, 15.6666, 95.9659



28.3998, 15.6666, 63.8145



34.1261, 15.6666, 27.8994

Triad

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



28.3998, 15.6666, 63.8145



18.3073, 15.6666, 0.0000



4.8618, 15.6666, 32.8168

Complementary

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



28.3998, 15.6666, 63.8145



30.7899, 50.7286, 12.4443

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.



4.7145, 15.6666, 9.4674



28.3998, 15.6666, 63.8145



10.9465, 15.6666, 0.0000

Square

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



28.3998, 15.6666, 63.8145



27.1022, 15.6666, 1.0891



6.5333, 15.6666, 1.5300



7.0407, 15.6666, 69.9134

Rectangle

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



28.3998, 15.6666, 63.8145



34.5296, 15.6666, 12.2367



6.5333, 15.6666, 1.5300



4.6079, 15.6666, 23.0044

Sweetspot

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



28.4005, 15.6672, 63.8149



73.2242, 65.9474, 103.4775



19.3958, 17.0111, 64.5489



15.1792, 13.3671, 22.0300



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.4005, 15.6672, 63.8149



38.1677, 18.5141, 96.1697



37.7016, 20.8028, 48.8556



12.5376, 12.4185, 15.6737



14.3607, 6.5557, 38.9616



0.9517, 0.4395, 2.3540

Inverse Universe

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



31.5821, 18.3550, 16.6307



44.5599, 23.5829, 16.3453



27.0604, 48.7092, 16.6402



12.5900, 12.4875, 13.7813



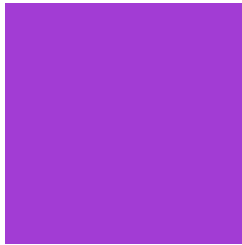
17.4806, 8.9286, 4.5691



1.0920, 0.5536, 0.4741

Previews

White Background



This preview shows how the XYZ color 28.3998, 15.6666, 63.8145 looks on a white background.

Color Contrast Check

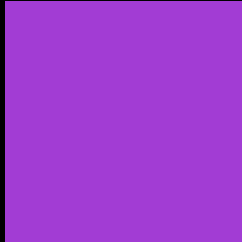
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3998, 15.6666, 63.8145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

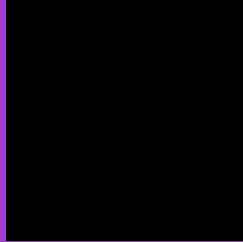
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.3998, 15.6666, 63.8145

Background



This preview shows how black text looks on a background with the XYZ color 28.3998, 15.6666, 63.8145.



This preview shows how white text looks on a background with the XYZ color 28.3998, 15.6666,

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

28.3998, 15.6666, 63.8145

Protanopia

18.9852, 16.0064, 74.0404

Tritanopia

18.4504, 15.5686, 15.1293

Trichromacy



Original Color

28.3998, 15.6666, 63.8145



Protanomaly

18.5109, 13.4626, 70.0295



Tritanomaly

20.8907, 14.9031, 27.7621

Monochromacy



Original Color

28.3998, 15.6666, 63.8145



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

17.8315, 14.1467, 28.9849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3998, 15.6666, 63.8145 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(162, 60, 212)` looks like.

```
.text, #text, p{  
    color:rgb(162, 60, 212)  
}
```

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(162, 60, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 60, 212) }
```

Border

The CSS property to change the border of an element to XYZ 28.3998, 15.6666, 63.8145 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(162, 60, 212) }
```

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

```
.border{ border-color:rgb(162, 60, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 60, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 60, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 60, 212);  
box-shadow:4px 4px 4px 4px rgb(162, 60,  
212) }
```


Background

The CSS property to change the background color of an element to XYZ 28.3998, 15.6666, 63.8145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 60, 212) }
```

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

```
.background{ background-color: rgb(162, 60,  
212) }
```

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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