

Converting Colors

XYZ(27.9348, 15.1564, 66.7296)

Have a look what the booklet for
XYZ(27.9348, 15.1564, 66.7296)
contains.

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Color

**XYZ(27.9583, 15.1532,
66.4170)**

Conversions

Conversions Part 1

Format	Color
Hex	9E39D8
RGB	158, 57, 216
RGB Percent	62%, 22%, 85%
CMY	0.3804, 0.7765, 0.1529
CMYK	0.27, 0.74, 0.00, 0.15
HSL	278°, 67%, 54%
HSV	278°, 74%, 85%
XYZ	27.9583, 15.1532, 66.4170
YIQ	105.3250, 9.1570, 70.8610

Conversions

Conversions Part 2

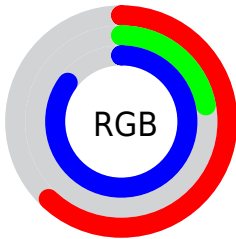
Format	Color
R _{YB}	158, 57, 216
Decimal	10369496
CIE _{Lab}	45.84, 65.96, -62.99
CIE _{LCh}	46, 91.207, 316.320
Yxy	15.1532, 0.2553, 0.1383
Android (android.graphics.Color)	4288559576 (0xFF9E39D8)
YUV	105.3250, 54.5628, 46.1960
Hunter-Lab	38.9271, 60.0801, -73.9110

Details

The XYZ color **27.9583, 15.1532, 66.4170** 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 **32.3648, 53.0522, 12.4055**, and the grayscale version is **13.3709, 14.0673, 15.3192**.

A 20% lighter version of the original color is **52.5704, 33.7820, 98.3575**, and **11.6007, 5.2474, 33.6591** is the 20% darker color. If you saturate the color by 10%, you get **25.6081, 12.6795, 66.0637**, and if you desaturate by 10%, it is **30.8632, 18.5869, 66.9270**.

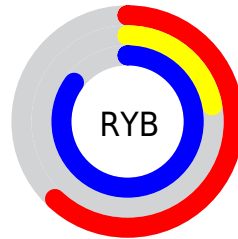
Distribution



Red (62%)

Green (22%)

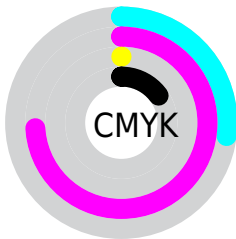
Blue (85%)



Red (62%)

Yellow (22%)

Blue (85%)

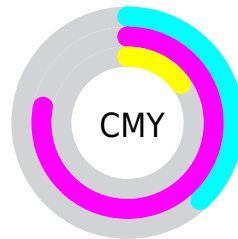


Cyan (27%)

Magenta (74%)

Yellow (0%)

Black (15%)



Cyan (38%)

Magenta (78%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9583, 15.1532, 66.4170 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 27.9583, 15.1532, 66.4170 by changing the saturation by 10% instead.

■ 27.9583, 15.1532,
66.4170

■ 27.9583, 15.1532,
66.4170

284.3513,
224.2916, 466.3116

■ 18.4345, 8.9270,
48.1524

■ 55.8270, 35.1217,
115.7173

■ 11.3640, 4.6936,
33.5867

■ 74.9026, 49.6328,
147.5901

■ 6.3813, 2.0686,
22.3015

■ 97.8928, 67.6743,
184.8360

■ 3.1211, 0.6469,
13.8782

■ 125.1631, 89.6306,
227.8736

■ 1.2181, 0.0000,
7.8982

■ 157.0787,
115.8861, 277.1215

■ 0.1206, 0.0000,
3.9430

194.0050,

■ 0.0000, 0.0000,

146.8251, 332.9980

1.5941

236.3075,
182.8322, 395.9219

■ 0.0000, 0.0000,
0.2866

■ 0.0000, 0.0000,
0.0000

■ 27.9583, 15.1532,
66.4170

■ 27.9583, 15.1532,
66.4170

■ 25.6081, 12.6795,
66.0637

■ 30.8632, 18.5869,
66.9270

■ 23.7464, 11.0391,
65.8452

■ 34.3736, 23.0824,
67.6096

■ 22.7456, 10.2940,
65.7541

■ 38.5365, 28.7298,
68.4803

■ 43.3930, 35.6092,
69.5522

48.9807, 43.7933,
70.8374

55.3342, 53.3488,
72.3469

62.4860, 64.3381,
74.0911

70.4662, 76.8195,
76.0797

79.3036, 90.8482,
78.3217

Harmonies

Analogous

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



18.9691, 15.1532, 99.6186



27.9583, 15.1532, 66.4170



34.0718, 15.1532, 28.6752

Triad

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



27.9583, 15.1532, 66.4170



18.1897, 15.1532, 0.0000



4.3635, 15.1532, 31.4854

Complementary

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



27.9583, 15.1532, 66.4170



32.3648, 53.0522, 12.4055

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.



4.2845, 15.1532, 8.3749



27.9583, 15.1532, 66.4170



10.6351, 15.1532, 0.0000

Square

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



27.9583, 15.1532, 66.4170



27.2157, 15.1532, 0.9144



6.1383, 15.1532, 1.1308



6.4151, 15.1532, 69.9681

Rectangle

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



27.9583, 15.1532, 66.4170



34.6602, 15.1532, 12.2637



6.1383, 15.1532, 1.1308



4.1393, 15.1532, 21.6125

Sweetspot

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



27.9590, 15.1538, 66.4174



72.5585, 65.6042, 103.4464



20.2474, 18.1582, 67.4037



15.0213, 13.2857, 22.0226



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.



27.9590, 15.1538, 66.4174



35.7953, 17.0800, 96.0179



39.6101, 21.4566, 53.5655



12.4934, 12.3957, 15.6717



13.5852, 6.1560, 38.9254



0.9088, 0.4174, 2.3520

Inverse Universe

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



32.8768, 18.7633, 18.1087



44.6696, 23.3992, 17.6245



27.6259, 50.5348, 15.5440



12.6086, 12.4949, 13.8792



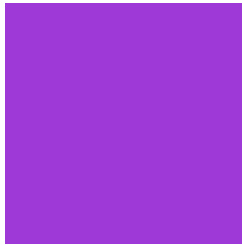
17.6403, 8.9924, 5.4097



1.1031, 0.5580, 0.5325

Previews

White Background



This preview shows how the XYZ color 27.9583, 15.1532, 66.4170 looks on a white background.

Color Contrast Check

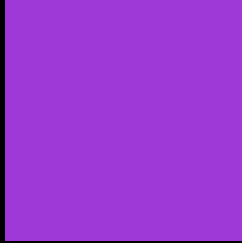
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9583, 15.1532, 66.4170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

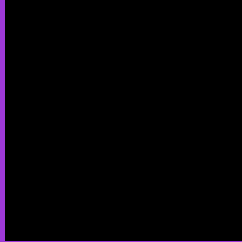
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9583, 15.1532, 66.4170

Background



This preview shows how black text looks on a background with the XYZ color 27.9583, 15.1532, 66.4170.

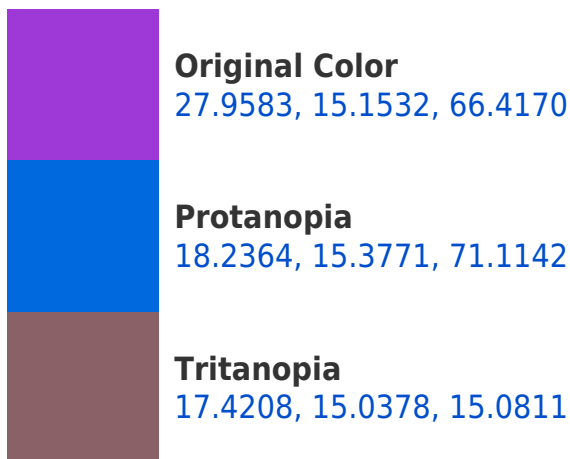


This preview shows how white text looks on a background with the XYZ color 27.9583, 15.1532,

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



Trichromacy



Original Color

27.9583, 15.1532, 66.4170



Protanomaly

18.0953, 13.0166, 69.2689



Tritanomaly

19.9822, 14.1899, 28.4738

Monochromacy



Original Color

27.9583, 15.1532, 66.4170



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

16.9127, 13.3089, 28.4655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9583, 15.1532, 66.4170 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(158, 57, 216)` looks like.

```
.text, #text, p{  
    color:rgb(158, 57, 216)  
}
```

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(158, 57, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 57, 216) }
```

Border

The CSS property to change the border of an element to XYZ 27.9583, 15.1532, 66.4170 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(158, 57, 216) }
```

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

```
.border{ border-color:rgb(158, 57, 216) }
```

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

Here you see how a box with a 4 pixel rgb(158, 57, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 57, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 57, 216);  
box-shadow:4px 4px 4px 4px rgb(158, 57,  
216) }
```


Background

The CSS property to change the background color of an element to XYZ 27.9583, 15.1532, 66.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 57, 216) }
```

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

```
.background{ background-color: rgb(158, 57,  
216) }
```

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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