

Converting Colors

XYZ(28.3126, 16.4836, 35.8894)

Have a look what the booklet for
XYZ(28.3126, 16.4836, 35.8894)
contains.

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Color

**XYZ(28.3067, 16.4779,
35.8711)**

Conversions

Conversions Part 1

Format	Color
Hex	B93FA2
RGB	185, 63, 162
RGB Percent	73%, 25%, 64%
CMY	0.2745, 0.7529, 0.3647
CMYK	0.00, 0.66, 0.12, 0.27
HSL	311°, 49%, 49%
HSV	311°, 66%, 73%
XYZ	28.3067, 16.4779, 35.8711
YIQ	110.7640, 40.9330, 56.6530

Conversions

Conversions Part 2

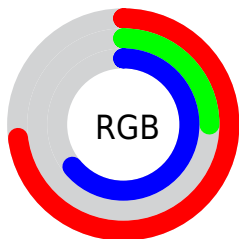
Format	Color
R_{YB}	185, 63, 162
Decimal	12140450
CIE _{Lab}	47.60, 59.79, -28.48
CIE _{LCh}	48, 66.224, 334.525
Yxy	16.4779, 0.3510, 0.2043
Android (android.graphics.Color)	4290330530 (0xFFB93FA2)
YUV	110.7640, 25.2593, 65.1050
Hunter-Lab	40.5930, 53.4357, -23.9781

Details

The XYZ color **28.3067, 16.4779, 35.8711** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.0794, 36.4272, 14.7255**, and the grayscale version is **14.9628, 15.7420, 17.1431**.

A 20% lighter version of the original color is **56.4294, 37.4365, 69.8974**, and **11.7166, 5.7150, 15.2374** is the 20% darker color. If you saturate the color by 10%, you get **27.1432, 14.6400, 33.9748**, and if you desaturate by 10%, it is **29.8241, 19.0091, 37.9281**.

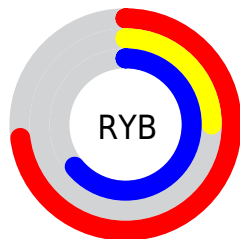
Distribution



Red (73%)

Green (25%)

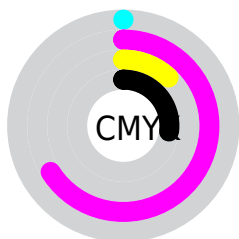
Blue (64%)



Red (73%)

Yellow (25%)

Blue (64%)

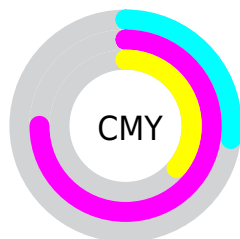


Cyan (0%)

Magenta (66%)

Yellow (12%)

Black (27%)



Cyan (27%)


Magenta (75%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3067, 16.4779, 35.8711 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 28.3067, 16.4779, 35.8711 by changing the saturation by 10% instead.

 28.3067, 16.4779,
35.8711


 28.3067, 16.4779,
35.8711


285.9831,
232.1454, 343.4171


 18.6986, 9.8630,
24.0458


 56.3790, 37.4259,
69.9999


 11.5554, 5.3082,
15.1551


 75.5738, 52.5277,
93.1404


 6.5118, 2.4292,
8.7804


 98.6950, 71.2273,
120.8897

 3.2023, 0.8409,
4.5034

 126.1079, 93.9091,
153.6663

 1.2616, 0.0000,
1.9054

 158.1778,
120.9574, 191.8889

 0.1542, 0.0000,
0.4961

195.2700,

 0.0000, 0.0000,

152.7566, 235.9758

0.0000

237.7500,
189.6911, 286.3457

■ 28.3067, 16.4779,
35.8711

■ 28.3067, 16.4779,
35.8711

■ 27.1432, 14.6400,
33.9748

■ 29.8241, 19.0091,
37.9281

■ 26.2958, 13.4208,
32.2258

■ 31.7248, 22.2936,
40.1555

■ 25.7189, 12.7292,
30.6087

■ 34.0371, 26.3872,
42.5632

■ 25.5226, 12.5203,
29.9771

■ 36.7861, 31.3401,
45.1599

■ 39.9948, 37.1984,
47.9536

■ 43.6848, 44.0048,
50.9518

■ 47.8760, 51.7993,
54.1615

■ 52.5874, 60.6196,
57.5892

■ 57.8369, 70.5015,
61.2413

Harmonies

Analogous

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



23.0163, 16.4779, 60.2628



28.3067, 16.4779, 35.8711



29.9215, 16.4779, 15.4971

Triad

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



28.3067, 16.4779, 35.8711



14.7832, 16.4779, 1.1304



8.0477, 16.4779, 43.3932

Complementary

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



28.3067, 16.4779, 35.8711



21.0794, 36.4272, 14.7255

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.



6.8525, 16.4779, 20.6306



28.3067, 16.4779, 35.8711



10.0690, 16.4779, 2.2752

Square

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



28.3067, 16.4779, 35.8711



21.0690, 16.4779, 1.6872



7.4868, 16.4779, 7.2769



11.2692, 16.4779, 66.2001

Rectangle

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



28.3067, 16.4779, 35.8711



28.4249, 16.4779, 7.5478



7.4868, 16.4779, 7.2769



7.4382, 16.4779, 35.1014

Sweetspot

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



28.3073, 16.4787, 35.8714



69.0064, 61.8172, 83.6459



14.3150, 9.0072, 46.8835



14.5350, 12.7039, 17.7333



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.



28.3073, 16.4787, 35.8714



47.8874, 25.1425, 59.4548



24.1660, 14.8222, 14.0636



9.3064, 9.1329, 10.9607



17.4037, 8.5352, 20.5445



0.6325, 0.3085, 0.8243

Inverse Universe

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



28.3073, 16.4787, 35.8714



47.8874, 25.1425, 59.4548



24.6165, 37.8421, 33.3517



9.3064, 9.1329, 10.9607



17.4037, 8.5352, 20.5445



0.6325, 0.3085, 0.8243

Previews

White Background



This preview shows how the XYZ color 28.3067, 16.4779, 35.8711 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 28.3067, 16.4779, 35.8711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

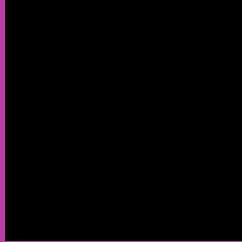
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.3067, 16.4779, 35.8711

Background



This preview shows how black text looks on a background with the XYZ color 28.3067, 16.4779, 35.8711.



This preview shows how white text looks on a background with the XYZ color 28.3067, 16.4779,

35.8711.

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

28.3067, 16.4779, 35.8711

Protanopia

18.8709, 16.9352, 58.1513

Deuteranopia

16.9937, 16.6881, 32.8973



Tritanopia

23.3759, 16.5438, 11.6341

Trichromacy



Original Color

28.3067, 16.4779, 35.8711

Protanomaly

19.6544, 15.0380, 48.8804

Deuteranomaly

19.6042, 15.3453, 33.8270

Tritanomaly

24.7929, 16.2536, 18.3535

Monochromacy



Original Color

28.3067, 16.4779, 35.8711

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.5132, 15.0204, 23.0426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3067, 16.4779, 35.8711 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(185, 63, 162)` looks like.

```
.text, #text, p{  
    color:rgb(185, 63, 162)  
}
```

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(185, 63, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 63, 162) }
```

Border

The CSS property to change the border of an element to XYZ 28.3067, 16.4779, 35.8711 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(185, 63, 162) }
```


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

```
.border{ border-color:rgb(185, 63, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 63, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 63, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 63, 162);  
box-shadow:4px 4px 4px 4px rgb(185, 63,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3067, 16.4779, 35.8711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 63, 162) }
```

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

```
.background{ background-color: rgb(185, 63,  
162) }
```

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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