

Converting Colors

XYZ(27.3036, 16.0356, 38.6762)

Have a look what the booklet for
XYZ(27.3036, 16.0356, 38.6762)
contains.

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Color

**XYZ(27.3183, 16.0727,
38.7083)**

Conversions

Conversions Part 1

Format	Color
Hex	B241A8
RGB	178, 65, 168
RGB Percent	70%, 25%, 66%
CMY	0.3020, 0.7451, 0.3412
CMYK	0.00, 0.63, 0.06, 0.30
HSL	305°, 46%, 48%
HSV	305°, 63%, 70%
XYZ	27.3183, 16.0727, 38.7083
YIQ	110.5290, 34.2850, 55.9890

Conversions

Conversions Part 2

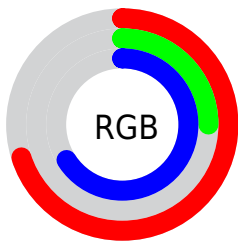
Format	Color
R_{YB}	178, 65, 168
Decimal	11682216
CIE _{Lab}	47.07, 58.12, -32.94
CIE _{LCh}	47, 66.804, 330.456
Yxy	16.0727, 0.3327, 0.1958
Android (android.graphics.Color)	4289872296 (0xFFB241A8)
YUV	110.5290, 28.3332, 59.1721
Hunter-Lab	40.0908, 51.4730, -29.1819

Details

The XYZ color **27.3183, 16.0727, 38.7083** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.3711, 33.4733, 12.0977**, and the grayscale version is **14.8878, 15.6631, 17.0572**.

A 20% lighter version of the original color is **54.7631, 36.6476, 74.7084**, and **11.1206, 5.3754, 16.6711** is the 20% darker color. If you saturate the color by 10%, you get **26.3071, 14.2834, 37.6516**, and if you desaturate by 10%, it is **28.6544, 18.5081, 39.8823**.

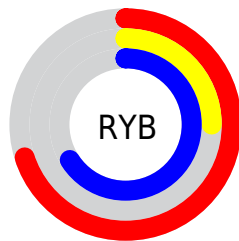
Distribution



Red (70%)

Green (25%)

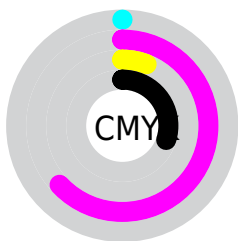
Blue (66%)



Red (70%)

Yellow (25%)

Blue (66%)

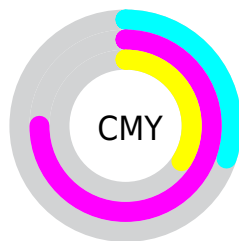


Cyan (0%)

Magenta (63%)

Yellow (6%)

Black (30%)



Cyan (30%)

Magenta (75%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3183, 16.0727, 38.7083 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 27.3183, 16.0727, 38.7083 by changing the saturation by 10% instead.

■ 27.3183, 16.0727,
38.7083

■ 27.3183, 16.0727,
38.7083

281.3345,
229.7703, 356.0376

■ 17.9502, 9.5756,
26.2268

■ 54.8105, 36.7244,
74.4079

■ 11.0137, 5.1185,
16.7661

■ 73.6654, 51.6477,
98.4631

■ 6.1434, 2.3170,
9.9077

■ 96.4132, 70.1487,
127.2133

■ 2.9740, 0.7827,
5.2330

■ 123.4194, 92.6115,
161.0769

■ 1.1400, 0.0000,
2.3235

■ 155.0492,
119.4207, 200.4727

■ 0.0582, 0.0000,
0.7443

191.6681,

■ 0.0000, 0.0000,

150.9607, 245.8190

0.0000

233.6414,
187.6157, 297.5344

■ 27.3183, 16.0727,
38.7083

■ 27.3183, 16.0727,
38.7083

■ 26.3071, 14.2834,
37.6516

■ 28.6544, 18.5081,
39.8823

■ 25.5876, 13.0750,
36.7007

■ 30.3409, 21.6420,
41.1819

■ 25.1226, 12.3728,
35.8434

■ 32.4030, 25.5242,
42.6155

■ 24.9040, 12.0826,
35.3173

■ 34.8630, 30.1991,
44.1905

■ 37.7412, 35.7079,
45.9139

■ 41.0570, 42.0887,
47.7920

■ 44.8281, 49.3773,
49.8309

■ 49.0715, 57.6077,
52.0362

■ 53.8033, 66.8118,
54.4133

Harmonies

Analogous

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



21.7258, 16.0727, 62.6264



27.3183, 16.0727, 38.7083



29.5323, 16.0727, 17.2447

Triad

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



27.3183, 16.0727, 38.7083



15.1871, 16.0727, 1.0040



7.4798, 16.0727, 39.4688

Complementary

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



27.3183, 16.0727, 38.7083



19.3711, 33.4733, 12.0977

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.



6.5556, 16.0727, 17.7587



27.3183, 16.0727, 38.7083



10.2496, 16.0727, 1.8219

Square

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



27.3183, 16.0727, 38.7083



21.5298, 16.0727, 1.7657



7.4242, 16.0727, 5.9278



10.3692, 16.0727, 63.2295

Rectangle

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



27.3183, 16.0727, 38.7083



28.4444, 16.0727, 8.4750



7.4242, 16.0727, 5.9278



6.9678, 16.0727, 31.3665

Sweetspot

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



27.3189, 16.0735, 38.7086



65.2939, 58.7234, 81.3998



12.7832, 8.4682, 43.0809



14.1493, 12.4051, 17.8419



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.3189, 16.0735, 38.7086



47.1461, 24.9435, 67.5951



23.1804, 14.4181, 16.9158



8.8169, 8.6335, 10.5345



17.8307, 8.6498, 25.3320



0.5704, 0.2759, 0.8466

Inverse Universe

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



27.3189, 16.0735, 38.7086



47.1461, 24.9435, 67.5951



22.1922, 34.6018, 26.9533



8.8169, 8.6335, 10.5345



17.8307, 8.6498, 25.3320



0.5704, 0.2759, 0.8466

Previews

White Background



This preview shows how the XYZ color 27.3183, 16.0727, 38.7083 looks on a white background.

Color Contrast Check

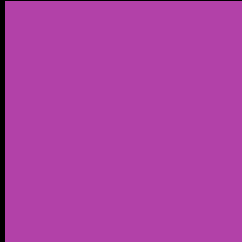
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3183, 16.0727, 38.7083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

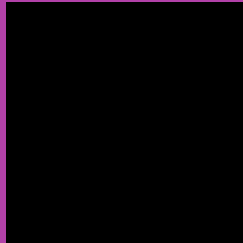
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3183, 16.0727, 38.7083

Background



This preview shows how black text looks on a background with the XYZ color 27.3183, 16.0727, 38.7083.



This preview shows how white text looks on a background with the XYZ color 27.3183, 16.0727,

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

27.3183, 16.0727, 38.7083

Protanopia

18.7177, 16.4664, 61.2233

Deuteranopia

16.7336, 16.3218, 35.9867



Tritanopia

21.9615, 16.1528, 12.3162

Trichromacy



Original Color

27.3183, 16.0727, 38.7083



Protanomaly

19.2489, 14.6220, 52.2599



Deuteranomaly

19.1610, 15.0457, 37.0162



Tritanomaly

23.4197, 15.8323, 19.5909

Monochromacy



Original Color

27.3183, 16.0727, 38.7083



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.1592, 14.8222, 23.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3183, 16.0727, 38.7083 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(178, 65, 168)` looks like.

```
.text, #text, p{  
    color:rgb(178, 65, 168)  
}
```

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(178, 65, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 65, 168) }
```

Border

The CSS property to change the border of an element to XYZ 27.3183, 16.0727, 38.7083 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(178, 65, 168) }
```


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

```
.border{ border-color:rgb(178, 65, 168) }
```

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

Here you see how a box with a 4 pixel rgb(178, 65, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 65, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 65, 168);  
box-shadow:4px 4px 4px 4px rgb(178, 65,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3183, 16.0727, 38.7083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 65, 168) }
```

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

```
.background{ background-color: rgb(178, 65,  
168) }
```

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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