

Converting Colors

XYZ(27.3215, 13.2720, 37.9970)

Have a look what the booklet for
XYZ(27.3215, 13.2720, 37.9970)
contains.

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Color

**XYZ(27.3176, 13.2663,
38.1666)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00A8
RGB	186, 0, 168
RGB Percent	73%, 0%, 66%
CMY	0.2706, 0.9999, 0.3412
CMYK	0.00, 1.00, 0.10, 0.27
HSL	306°, 100%, 36%
HSV	306°, 100%, 73%
XYZ	27.3176, 13.2663, 38.1666
YIQ	74.7660, 56.9280, 91.6800

Conversions

Conversions Part 2

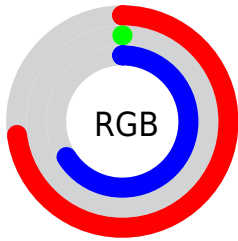
Format	Color
R_{YB}	186, 0, 168
Decimal	12189864
CIE _{Lab}	43.16, 74.96, -39.01
CIE _{LCh}	43, 84.505, 332.505
Yxy	13.2663, 0.3469, 0.1685
Android (android.graphics.Color)	4290379944 (0xFFBA00A8)
YUV	74.7660, 45.9644, 97.5522
Hunter-Lab	36.4229, 70.1368, -36.6323

Details

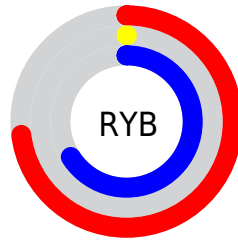
The XYZ color **27.3176, 13.2663, 38.1666** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.6688, 35.1621, 6.4292**, and the grayscale version is **6.5615, 6.9032, 7.5176**.

A 20% lighter version of the original color is **54.8688, 31.7910, 73.7654**, and **11.9966, 5.8270, 16.7121** is the 20% darker color. If you saturate the color by 10%, you get **27.3176, 13.2663, 38.1655**, and if you desaturate by 10%, it is **27.7134, 13.7872, 39.1319**.

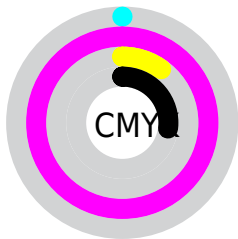
Distribution



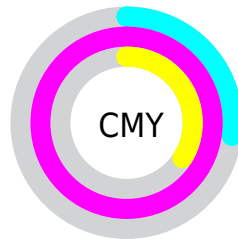
- Red (73%)
- Green (0%)
- Blue (66%)



- Red (73%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3176, 13.2663, 38.1666 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 27.3176, 13.2663, 38.1666 by changing the saturation by 10% instead.


 27.3176, 13.2663,
38.1666


 27.3176, 13.2663,
38.1666


281.3312,
212.6174, 353.6537


 17.9497, 7.6122,
25.8092


 54.8094, 31.7814,
73.5697


 11.0134, 3.8478,
16.4565


 73.6640, 45.4111,
97.4524


 6.1432, 1.5888,
9.6899


 96.4116, 62.4682,
126.0140

 2.9738, 0.3500,
5.0909

 123.4175, 83.3370,
159.6730

 1.1399, 0.0000,
2.2410

 155.0470,
108.4019, 198.8479

 0.0581, 0.0000,
0.6979

 191.6656,

 0.0000, 0.0000,

138.0474, 243.9573

0.0000

233.6385,
172.6577, 295.4197

■ 27.3176, 13.2663,
38.1666

■ 27.3176, 13.2663,
38.1666

■ 27.3176, 13.2663,
38.1655

■ 27.7134, 13.7872,
39.1319

■ 28.3267, 14.7398,
40.1811

■ 29.2374, 16.2835,
41.3411

■ 30.4850, 18.4971,
42.6248

■ 32.1027, 21.4471,
44.0436

■ 34.1197, 25.1922,
45.6073

■ 36.5626, 29.7850,
47.3245

■ 39.4553, 35.2737,
49.2035

■ 42.8202, 41.7028,
51.2517

Harmonies

Analogous

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



20.6161, 13.2663, 70.8012



27.3176, 13.2663, 38.1666



29.7362, 13.2663, 12.9319

Triad

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



27.3176, 13.2663, 38.1666



12.0693, 13.2663, 0.0000



4.7168, 13.2663, 43.5995

Complementary

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



27.3176, 13.2663, 38.1666



17.6688, 35.1621, 6.4292

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.



3.7743, 13.2663, 16.0712



27.3176, 13.2663, 38.1666



7.0014, 13.2663, 0.2202

Square

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



27.3176, 13.2663, 38.1666



19.3271, 13.2663, 0.0000



4.4380, 13.2663, 3.4015



7.6622, 13.2663, 75.4254

Rectangle

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



27.3176, 13.2663, 38.1666



28.0972, 13.2663, 4.6003



4.4380, 13.2663, 3.4015



4.2120, 13.2663, 33.0039

Sweetspot

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



27.3181, 13.2670, 38.1668



66.0256, 53.5225, 85.6117



9.0690, 3.6518, 46.6817



14.1092, 10.9747, 18.5563



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.



27.3181, 13.2670, 38.1668



49.4640, 24.0256, 68.9118



21.6081, 10.9829, 8.0981



9.3424, 9.1473, 11.1507



18.3935, 8.9312, 25.7568



0.6594, 0.3192, 0.9656

Inverse Universe

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



27.3181, 13.2670, 38.1668



49.4640, 24.0256, 68.9118



20.2935, 36.2120, 20.2506



9.3424, 9.1473, 11.1507



18.3935, 8.9312, 25.7568



0.6594, 0.3192, 0.9656

Previews

White Background



This preview shows how the XYZ color 27.3176, 13.2663, 38.1666 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 27.3176, 13.2663, 38.1666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

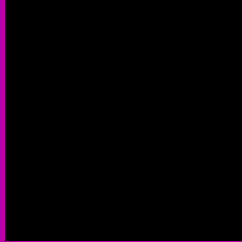
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3176, 13.2663, 38.1666

Background



This preview shows how black text looks on a background with the XYZ color 27.3176, 13.2663, 38.1666.



This preview shows how white text looks on a background with the XYZ color 27.3176, 13.2663,

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

27.3176, 13.2663, 38.1666

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.3463, 14.0315, 34.3000



Tritanopia

21.1852, 13.6857, 7.3194

Trichromacy



Original Color

27.3176, 13.2663, 38.1666



Protanomaly

14.2953, 8.9270, 53.7930



Deuteranomaly

15.9410, 10.3566, 35.3413



Tritanomaly

22.2519, 12.3998, 14.8563

Monochromacy



Original Color

27.3176, 13.2663, 38.1666



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.8875, 6.8629, 15.2188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3176, 13.2663, 38.1666 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(186, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 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(186, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 27.3176, 13.2663, 38.1666 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(186, 0, 168) }
```


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

```
.border{ border-color:rgb(186, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3176, 13.2663, 38.1666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 168) }
```

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

```
.background{ background-color: rgb(186, 0,  
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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