

Converting Colors

XYZ(27.1816, 13.1451, 40.4683)

Have a look what the booklet for
XYZ(27.1816, 13.1451, 40.4683)
contains.

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Color

**XYZ(27.3100, 13.2075,
40.6451)**

Conversions

Conversions Part 1

Format	Color
Hex	B800AD
RGB	184, 0, 173
RGB Percent	72%, 0%, 68%
CMY	0.2784, 0.9999, 0.3216
CMYK	0.00, 1.00, 0.06, 0.28
HSL	304°, 100%, 36%
HSV	304°, 100%, 72%
XYZ	27.3100, 13.2075, 40.6451
YIQ	74.7380, 54.1310, 92.8110

Conversions

Conversions Part 2

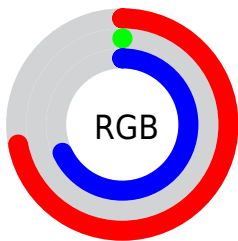
Format	Color
RYB	184, 0, 173
Decimal	12058797
CIELab	43.07, 75.31, -42.15
CIELCh	43, 86.302, 330.762
Yxy	13.2075, 0.3365, 0.1627
Android (android.graphics.Color)	4290248877 (0xFFB800AD)
YUV	74.7380, 48.4432, 95.8228
Hunter-Lab	36.3421, 70.5386, -40.8706

Details

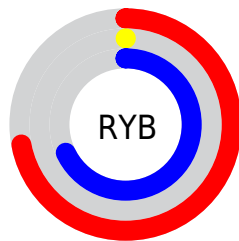
The XYZ color **27.3100, 13.2075, 40.6451** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.2015, 34.3058, 6.0324**, and the grayscale version is **6.5524, 6.8936, 7.5071**.

A 20% lighter version of the original color is **54.8593, 31.7066, 77.3573**, and **11.9943, 5.7917, 18.2550** is the 20% darker color. If you saturate the color by 10%, you get **27.3101, 13.2076, 40.6445**, and if you desaturate by 10%, it is **27.6404, 13.6969, 41.2828**.

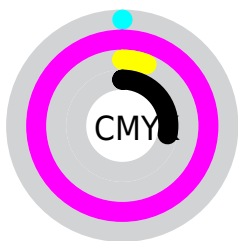
Distribution



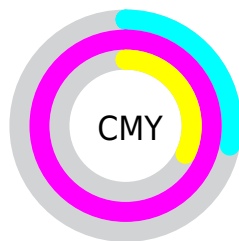
- Red (72%)
- Green (0%)
- Blue (68%)



- Red (72%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3100, 13.2075, 40.6451 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 27.3100, 13.2075, 40.6451 by changing the saturation by 10% instead.

 27.3100, 13.2075,
40.6451

 27.3100, 13.2075,
40.6451


281.2952,
212.2433, 364.4677


 17.9440, 7.5716,
27.7243


 54.7973, 31.6761,
77.3927

 11.0092, 3.8221,
17.8807


 73.6493, 45.2775,
102.0565


 6.1404, 1.5745,
10.6958


 96.3940, 62.3029,
131.4717

 2.9721, 0.3403,
5.7511

 123.3967, 83.1367,
166.0568

 1.1390, 0.0000,
2.6280

 155.0228,
108.1632, 206.2305

 0.0574, 0.0000,
0.9069

 191.6377,

 0.0000, 0.0000,

137.7669, 252.4112

0.0000

233.6067,
172.3321, 305.0174

■ 27.3100, 13.2075,
40.6451

■ 27.3100, 13.2075,
40.6451

■ 27.3101, 13.2076,
40.6445

■ 27.6404, 13.6969,
41.2828

■ 28.1811, 14.6058,
41.9948

■ 29.0106, 16.0908,
42.8074

■ 30.1671, 18.2284,
43.7334

■ 31.6830, 21.0836,
44.7836

■ 33.5870, 24.7133,
45.9674

■ 35.9045, 29.1689,
47.2936

■ 38.6592, 34.4972,
48.7698

■ 41.8727, 40.7417,
50.4034

Harmonies

Analogous

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



20.2789, 13.2075, 74.2152



27.3100, 13.2075, 40.6451



30.1303, 13.2075, 13.9002

Triad

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



27.3100, 13.2075, 40.6451



12.3844, 13.2075, 0.0000



4.4694, 13.2075, 42.3512

Complementary

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



27.3100, 13.2075, 40.6451



17.2015, 34.3058, 6.0324

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.



3.6271, 13.2075, 14.8722



27.3100, 13.2075, 40.6451



7.0912, 13.2075, 0.0075

Square

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



27.3100, 13.2075, 40.6451



19.8769, 13.2075, 0.0000



4.3847, 13.2075, 2.8958



7.2940, 13.2075, 75.6761

Rectangle

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



27.3100, 13.2075, 40.6451



28.6707, 13.2075, 4.9249



4.3847, 13.2075, 2.8958



4.0010, 13.2075, 31.6209

Sweetspot

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



27.3105, 13.2081, 40.6454



64.8506, 52.4219, 85.6012



8.7675, 3.5208, 45.5654



13.5849, 10.5395, 18.2313



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.



27.3105, 13.2081, 40.6454



49.4742, 23.9291, 73.5085



21.3218, 10.8127, 9.1092



9.3571, 9.1532, 11.2280



18.8311, 9.1062, 28.0610



0.6709, 0.3238, 1.0264

Inverse Universe

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



27.3105, 13.2081, 40.6454



49.4742, 23.9291, 73.5085



19.5003, 35.2253, 18.1377



9.3571, 9.1532, 11.2280



18.8311, 9.1062, 28.0610



0.6709, 0.3238, 1.0264

Previews

White Background



This preview shows how the XYZ color 27.3100, 13.2075, 40.6451 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

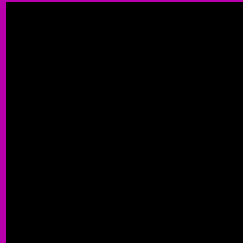
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3100, 13.2075, 40.6451

Background



This preview shows how black text looks on a background with the XYZ color 27.3100, 13.2075, 40.6451.



This preview shows how white text looks on a background with the XYZ color 27.3100, 13.2075,

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

27.3100, 13.2075, 40.6451

Deuteranopia

14.3088, 13.9614, 36.5910

Tritanopia

20.6924, 13.6008, 7.6655

Trichromacy



Original Color

27.3100, 13.2075, 40.6451

Deuteranomaly

15.7333, 10.1972, 37.6982

Tritanomaly

21.9843, 12.2969, 15.6828

Monochromacy



Original Color

27.3100, 13.2075, 40.6451

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

10.9964, 6.9064, 15.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3100, 13.2075, 40.6451 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(184, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 173)  
}
```

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(184, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 27.3100, 13.2075, 40.6451 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(184, 0, 173) }
```

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

```
.border{ border-color:rgb(184, 0, 173) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
173) }
```


Background

The CSS property to change the background color of an element to XYZ 27.3100, 13.2075, 40.6451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 173) }
```

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

```
.background{ background-color: rgb(184, 0,  
173) }
```

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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