

Converting Colors

XYZ(27.0241, 13.0821, 39.6390)

Have a look what the booklet for
XYZ(27.0241, 13.0821, 39.6390)
contains.

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Color

**XYZ(27.1179, 13.1306,
39.6333)**

Conversions

Conversions Part 1

Format	Color
Hex	B800AB
RGB	184, 0, 171
RGB Percent	72%, 0%, 67%
CMY	0.2784, 0.9999, 0.3294
CMYK	0.00, 1.00, 0.07, 0.28
HSL	304°, 100%, 36%
HSV	304°, 100%, 72%
XYZ	27.1179, 13.1306, 39.6333
YIQ	74.5100, 54.7730, 92.1890

Conversions

Conversions Part 2

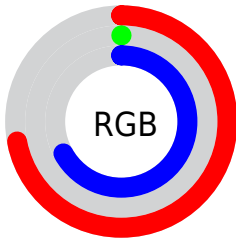
Format	Color
RYB	184, 0, 171
Decimal	12058795
CIELab	42.96, 75.03, -41.15
CIElCh	43, 85.569, 331.258
Yxy	13.1306, 0.3395, 0.1644
Android (android.graphics.Color)	4290248875 (0xFFB800AB)
YUV	74.5100, 47.5696, 96.0227
Hunter-Lab	36.2362, 70.1699, -39.4831

Details

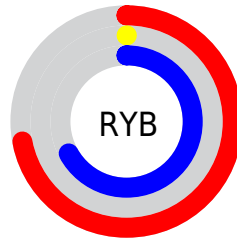
The XYZ color **27.1179, 13.1306, 39.6333** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.2138, 34.3107, 6.0969**, and the grayscale version is **6.5129, 6.8520, 7.4619**.

A 20% lighter version of the original color is **54.5816, 31.5955, 75.8948**, and **11.8742, 5.7436, 17.6223** is the 20% darker color. If you saturate the color by 10%, you get **27.1180, 13.1307, 39.6327**, and if you desaturate by 10%, it is **27.4660, 13.6270, 40.3639**.

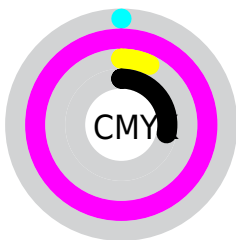
Distribution



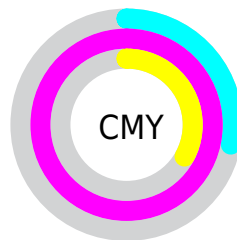
- Red (72%)
- Green (0%)
- Blue (67%)



- Red (72%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1179, 13.1306, 39.6333 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 27.1179, 13.1306, 39.6333 by changing the saturation by 10% instead.

 27.1179, 13.1306,
39.6333


 27.1179, 13.1306,
39.6333

280.3847,
211.7530, 360.0816

 17.7988, 7.5185,
26.9411


 54.4916, 31.5382,
75.8358


 10.9045, 3.7885,
17.2970


 73.2769, 45.1026,
100.1831


 6.0694, 1.5559,
10.2823


 95.9483, 62.0864,
129.2527

 2.9284, 0.3276,
5.4785

 122.8712, 82.8743,
163.4629

 1.1160, 0.0000,
2.4670

 154.4109,
107.8505, 203.2324

 0.0385, 0.0000,
0.8226

 190.9328,

 0.0000, 0.0000,

137.3994, 248.9796

0.0000

232.8023,
171.9054, 301.1232

■ 27.1179, 13.1306,
39.6333

■ 27.1179, 13.1306,
39.6333

■ 27.1180, 13.1307,
39.6327

■ 27.4660, 13.6270,
40.3639

■ 28.0246, 14.5430,
41.1707

■ 28.8723, 16.0352,
42.0799

■ 30.0474, 18.1802,
43.1043

■ 31.5824, 21.0429,
44.2547

■ 33.5056, 24.6802,
45.5406

■ 35.8429, 29.1435,
46.9707

■ 38.6175, 34.4797,
48.5527

■ 41.8513, 40.7322,
50.2938

Harmonies

Analogous

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



20.2312, 13.1306, 72.6948



27.1179, 13.1306, 39.6333



29.8024, 13.1306, 13.5186

Triad

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



27.1179, 13.1306, 39.6333



12.2054, 13.1306, 0.0000



4.5079, 13.1306, 42.4058

Complementary

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



27.1179, 13.1306, 39.6333



17.2138, 34.3107, 6.0969

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.



3.6434, 13.1306, 15.1047



27.1179, 13.1306, 39.6333



7.0151, 13.1306, 0.0644

Square

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



27.1179, 13.1306, 39.6333



19.5766, 13.1306, 0.0000



4.3690, 13.1306, 3.0151



7.3468, 13.1306, 75.0647

Rectangle

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



27.1179, 13.1306, 39.6333



28.3012, 13.1306, 4.7953



4.3690, 13.1306, 3.0151



4.0326, 13.1306, 31.7891

Sweetspot

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



27.1184, 13.1312, 39.6336



64.7376, 52.3767, 85.0063



8.8077, 3.5414, 45.5674



13.5574, 10.5285, 18.0860



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.



27.1184, 13.1312, 39.6336



49.1206, 23.7877, 71.6463



21.2063, 10.7664, 8.5007



9.3528, 9.1515, 11.2053



18.7002, 9.0538, 27.3717



0.6675, 0.3225, 1.0083

Inverse Universe

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



27.1184, 13.1312, 39.6336



49.1206, 23.7877, 71.6463



19.6538, 35.2867, 18.9456



9.3528, 9.1515, 11.2053



18.7002, 9.0538, 27.3717



0.6675, 0.3225, 1.0083

Previews

White Background



This preview shows how the XYZ color 27.1179, 13.1306, 39.6333 looks on a white background.

Color Contrast Check

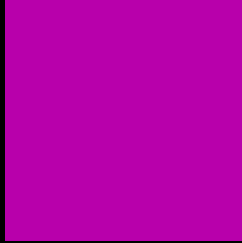
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1179, 13.1306, 39.6333 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 27.1179, 13.1306, 39.6333

Background



This preview shows how black text looks on a background with the XYZ color 27.1179, 13.1306, 39.6333.



This preview shows how white text looks on a background with the XYZ color 27.1179, 13.1306,

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

27.1179, 13.1306, 39.6333

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

14.2074, 13.9297, 35.6581



Tritanopia

20.6000, 13.4679, 7.4751

Trichromacy



Original Color

27.1179, 13.1306, 39.6333



Protanomaly

14.2262, 8.8913, 53.7897



Deuteranomaly

15.6792, 10.1904, 36.7379



Tritanomaly

21.8778, 12.2543, 15.1221

Monochromacy



Original Color

27.1179, 13.1306, 39.6333



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.9417, 6.8845, 15.5040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1179, 13.1306, 39.6333 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 27.1179, 13.1306, 39.6333 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, 171) }
```


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

```
.border{ border-color:rgb(184, 0, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1179, 13.1306, 39.6333 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, 171) }
```

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

```
.background{ background-color: rgb(184, 0,  
171) }
```

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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