

Converting Colors

XYZ(27.1271, 13.1233, 40.1816)

Have a look what the booklet for
XYZ(27.1271, 13.1233, 40.1816)
contains.

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Color

**XYZ(27.2136, 13.1689,
40.1373)**

Conversions

Conversions Part 1

Format	Color
Hex	B800AC
RGB	184, 0, 172
RGB Percent	72%, 0%, 67%
CMY	0.2784, 0.9999, 0.3255
CMYK	0.00, 1.00, 0.07, 0.28
HSL	304°, 100%, 36%
HSV	304°, 100%, 72%
XYZ	27.2136, 13.1689, 40.1373
YIQ	74.6240, 54.4520, 92.5000

Conversions

Conversions Part 2

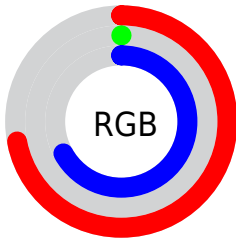
Format	Color
RYB	184, 0, 172
Decimal	12058796
CIELab	43.02, 75.17, -41.65
CIElCh	43, 85.935, 331.009
Yxy	13.1689, 0.3380, 0.1635
Android (android.graphics.Color)	4290248876 (0xFFB800AC)
YUV	74.6240, 48.0064, 95.9228
Hunter-Lab	36.2890, 70.3539, -40.1752

Details

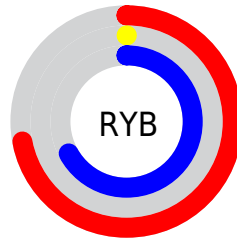
The XYZ color **27.2136, 13.1689, 40.1373** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.2075, 34.3082, 6.0638**, and the grayscale version is **6.5325, 6.8727, 7.4844**.

A 20% lighter version of the original color is **54.7200, 31.6509, 76.6240**, and **11.9340, 5.7675, 17.9370** is the 20% darker color. If you saturate the color by 10%, you get **27.2137, 13.1690, 40.1368**, and if you desaturate by 10%, it is **27.5529, 13.6618, 40.8218**.

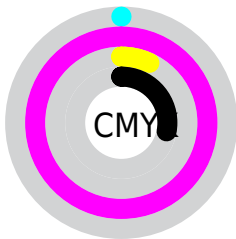
Distribution



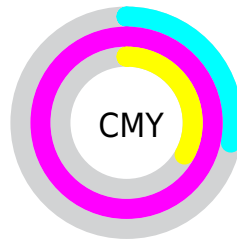
- Red (72%)
- Green (0%)
- Blue (67%)



- 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 27.2136, 13.1689, 40.1373 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 27.2136, 13.1689, 40.1373 by changing the saturation by 10% instead.

 27.2136, 13.1689,
40.1373


 27.2136, 13.1689,
40.1373


280.8386,
211.9973, 362.2712


 17.8711, 7.5450,
27.3310


 54.6439, 31.6069,
76.6119


 10.9566, 3.8052,
17.5873


 73.4625, 45.1897,
101.1173


 6.1048, 1.5652,
10.4878


 96.1704, 62.1943,
130.3595

 2.9501, 0.3340,
5.6137

 123.1331, 83.0050,
164.7570

 1.1275, 0.0000,
2.5467

 154.7159,
108.0063, 204.7284

 0.0479, 0.0000,
0.8647

 191.2842,

 0.0000, 0.0000,

137.5825, 250.6922

0.0000

233.2033,
172.1180, 303.0670

■ 27.2136, 13.1689,
40.1373

■ 27.2136, 13.1689,
40.1373

■ 27.2137, 13.1690,
40.1368

■ 27.5529, 13.6618,
40.8218

■ 28.1026, 14.5742,
41.5815

■ 28.9413, 16.0628,
42.4427

■ 30.1071, 18.2042,
43.4181

■ 31.6326, 21.0631,
44.5186

■ 33.5462, 24.6966,
45.7537

■ 35.8736, 29.1560,
47.1319

■ 38.6383, 34.4883,
48.6612

■ 41.8619, 40.7367,
50.3486

Harmonies

Analogous

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



20.2548, 13.1689, 73.4525



27.2136, 13.1689, 40.1373



29.9659, 13.1689, 13.7086

Triad

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



27.2136, 13.1689, 40.1373



12.2947, 13.1689, 0.0000



4.4886, 13.1689, 42.3778

Complementary

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



27.2136, 13.1689, 40.1373



17.2075, 34.3082, 6.0638

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.



3.6352, 13.1689, 14.9878



27.2136, 13.1689, 40.1373



7.0531, 13.1689, 0.0359

Square

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



27.2136, 13.1689, 40.1373



19.7264, 13.1689, 0.0000



4.3768, 13.1689, 2.9549



7.3202, 13.1689, 75.3693

Rectangle

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



27.2136, 13.1689, 40.1373



28.4854, 13.1689, 4.8599



4.3768, 13.1689, 2.9549



4.0167, 13.1689, 31.7043

Sweetspot

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



27.2141, 13.1695, 40.1376



64.7941, 52.3993, 85.3034



8.7675, 3.5207, 45.5655



13.5711, 10.5340, 18.1586



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.



27.2141, 13.1695, 40.1376



49.2967, 23.8581, 72.5738



21.3218, 10.8126, 9.1090



9.3550, 9.1524, 11.2166



18.7654, 9.0799, 27.7151



0.6692, 0.3232, 1.0173

Inverse Universe

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



27.2141, 13.1695, 40.1376



49.2967, 23.8581, 72.5738



19.5003, 35.2253, 18.1375



9.3550, 9.1524, 11.2166



18.7654, 9.0799, 27.7151



0.6692, 0.3232, 1.0173

Previews

White Background



This preview shows how the XYZ color 27.2136, 13.1689, 40.1373 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

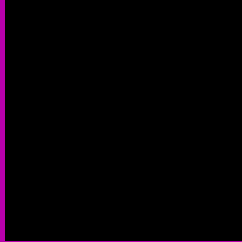
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2136, 13.1689, 40.1373

Background



This preview shows how black text looks on a background with the XYZ color 27.2136, 13.1689, 40.1373.



This preview shows how white text looks on a background with the XYZ color 27.2136, 13.1689,

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

27.2136, 13.1689, 40.1373

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

14.2959, 13.9651, 36.1245



Tritanopia

20.6924, 13.6008, 7.6655

Trichromacy



Original Color

27.2136, 13.1689, 40.1373



Protanomaly

14.2262, 8.8913, 53.7897



Deuteranomaly

15.7706, 10.2270, 37.2192



Tritanomaly

21.9307, 12.2754, 15.4009

Monochromacy



Original Color

27.2136, 13.1689, 40.1373



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 27.2136, 13.1689, 40.1373 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 172) }
```

Border

The CSS property to change the border of an element to XYZ 27.2136, 13.1689, 40.1373 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, 172) }
```


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

```
.border{ border-color:rgb(184, 0, 172) }
```

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, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2136, 13.1689, 40.1373 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, 172) }
```

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

```
.background{ background-color: rgb(184, 0,  
172) }
```

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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