

# Converting Colors

XYZ(26.9367, 13.0471, 39.1790)

Have a look what the booklet for  
XYZ(26.9367, 13.0471, 39.1790)  
contains.

<b>XYZ(27.0229, 13.0926, 39.1331)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(27.0229, 13.0926,  
39.1331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B800AA
RGB	184, 0, 170
RGB Percent	72%, 0%, 67%
CMY	0.2784, 0.9999, 0.3333
CMYK	0.00, 1.00, 0.08, 0.28
HSL	305°, 100%, 36%
HSV	305°, 100%, 72%
XYZ	27.0229, 13.0926, 39.1331
YIQ	74.3960, 55.0940, 91.8780

# Conversions

## Conversions Part 2

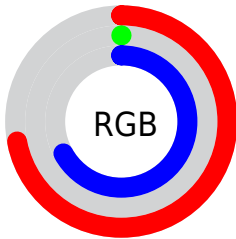
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 0, 170
Decimal	12058794
CIELab	42.90, 74.89, -40.64
CIELCh	43, 85.204, 331.511
Yxy	13.0926, 0.3410, 0.1652
Android (android.graphics.Color)	4290248874 (0xFFB800AA)
YUV	74.3960, 47.1328, 96.1227
Hunter-Lab	36.1837, 69.9868, -38.7943

# Details

The XYZ color **27.0229, 13.0926, 39.1331** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.2204, 34.3134, 6.1318**, and the grayscale version is **6.4934, 6.8315, 7.4395**.

A 20% lighter version of the original color is **54.4439, 31.5405, 75.1699**, and **11.8151, 5.7200, 17.3110** is the 20% darker color. If you saturate the color by 10%, you get **27.0230, 13.0927, 39.1325**, and if you desaturate by 10%, it is **27.3796, 13.5925, 39.9091**.

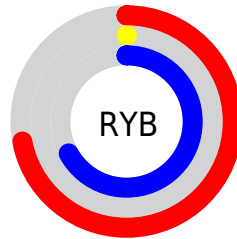
# Distribution



Red (72%)

Green (0%)

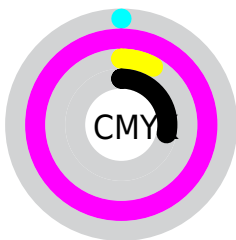
Blue (67%)



Red (72%)

Yellow (0%)

Blue (67%)

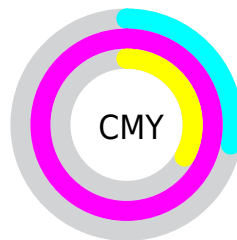


Cyan (0%)

Magenta (100%)

Yellow (8%)

Black (28%)



Cyan (28%)

Magenta (100%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0229, 13.0926, 39.1331 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 27.0229, 13.0926, 39.1331 by changing the saturation by 10% instead.




 27.0229, 13.0926,  
39.1331


 27.0229, 13.0926,  
39.1331


279.9335,  
211.5103, 357.8989


 17.7271, 7.4923,  
26.5547


 54.3402, 31.4700,  
75.0642


 10.8527, 3.7719,  
17.0096


 73.0925, 45.0160,  
99.2539


 6.0345, 1.5468,  
10.0793


 95.7276, 61.9794,  
128.1512

 2.9069, 0.3213,  
5.3453

 122.6109, 82.7444,  
162.1744

 1.1047, 0.0000,  
2.3890

 154.1078,  
107.6957, 201.7423

 0.0291, 0.0000,  
0.7804

 190.5837,

 0.0000, 0.0000,

137.2175, 247.2733

0.0000

232.4038,  
171.6942, 299.1860

■ 27.0229, 13.0926,  
39.1331

■ 27.0229, 13.0926,  
39.1331

■ 27.0230, 13.0927,  
39.1325

■ 27.3796, 13.5925,  
39.9091

■ 27.9470, 14.5120,  
40.7623

■ 28.8038, 16.0078,  
41.7189

■ 29.9881, 18.1565,  
42.7918

■ 31.5324, 21.0229,  
43.9917

■ 33.4653, 24.6641,  
45.3281

■ 35.8123, 29.1313,  
46.8098

■ 38.5970, 34.4715,  
48.4444

■ 41.8410, 40.7281,  
50.2392

# Harmonies

## Analogous

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



20.2081, 13.0926, 71.9422



27.0229, 13.0926, 39.1331



29.6398, 13.0926, 13.3301

# Triad

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



27.0229, 13.0926, 39.1331



12.1166, 13.0926, 0.0000



4.5275, 13.0926, 42.4351

# Complementary

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



27.0229, 13.0926, 39.1331



17.2204, 34.3134, 6.1318

# 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.



3.6517, 13.0926, 15.2230



27.0229, 13.0926, 39.1331



6.9773, 13.0926, 0.0930

# Square

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



27.0229, 13.0926, 39.1331



19.4277, 13.0926, 0.0000



4.3612, 13.0926, 3.0763



7.3737, 13.0926, 74.7623



# Rectangle

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



27.0229, 13.0926, 39.1331



28.1180, 13.0926, 4.7313



4.3612, 13.0926, 3.0763



4.0487, 13.0926, 31.8753

# Sweetspot

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



27.0234, 13.0932, 39.1333



64.6813, 52.3542, 84.7098



8.8077, 3.5414, 45.5674



13.5436, 10.5230, 18.0136



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.



27.0234, 13.0932, 39.1333



48.9458, 23.7178, 70.7259



21.2063, 10.7664, 8.5007



9.3506, 9.1506, 11.1939



18.6355, 9.0279, 27.0310



0.6658, 0.3218, 0.9994



# Inverse Universe

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



27.0234, 13.0932, 39.1333



48.9458, 23.7178, 70.7259



19.6538, 35.2867, 18.9456



9.3506, 9.1506, 11.1939



18.6355, 9.0279, 27.0310



0.6658, 0.3218, 0.9994



# Previews

## White Background



This preview shows how the XYZ color 27.0229, 13.0926, 39.1331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

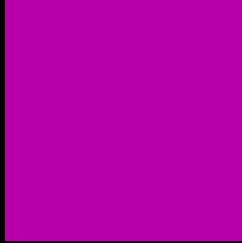
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.0229, 13.0926, 39.1331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

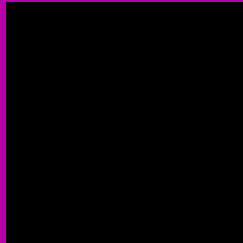
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 27.0229, 13.0926, 39.1331**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.0229, 13.0926, 39.1331.



This preview shows how white text looks on a background with the XYZ color 27.0229, 13.0926,



# 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

27.0229, 13.0926, 39.1331

### Protanopia

16.4408, 13.8678, 64.0976

### Deuteranopia

14.0971, 13.7344, 35.1657



## Tritanopia

20.6000, 13.4679, 7.4751

# Trichromacy



## Original Color

27.0229, 13.0926, 39.1331



## Protanomaly

14.2262, 8.8913, 53.7897



## Deuteranomaly

15.7193, 10.2216, 36.2664



## Tritanomaly

21.8778, 12.2543, 15.1221

# Monochromacy



## Original Color

27.0229, 13.0926, 39.1331



## Achromatopsia

6.5089, 6.8478, 7.4573



## Achromatomaly

10.7163, 6.7146, 15.1992

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0229, 13.0926, 39.1331 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0229, 13.0926, 39.1331 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, 170) }
```



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

```
.border{ border-color:rgb(184, 0, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0229, 13.0926, 39.1331 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, 170) }
```

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

```
.background{ background-color: rgb(184, 0,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor