

Converting Colors

XYZ(25.5189, 8.8008, 38.1924)

Have a look what the booklet for
XYZ(25.5189, 8.8008, 38.1924)
contains.

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Color

**XYZ(27.9947, 13.5936,
39.1786)**

Conversions

Conversions Part 1

Format	Color
Hex	BC00AA
RGB	188, 0, 170
RGB Percent	74%, 0%, 67%
CMY	0.2627, 0.9999, 0.3333
CMYK	0.00, 1.00, 0.10, 0.26
HSL	306°, 100%, 37%
HSV	306°, 100%, 74%
XYZ	27.9947, 13.5936, 39.1786
YIQ	75.5920, 57.4780, 92.7260

Conversions

Conversions Part 2

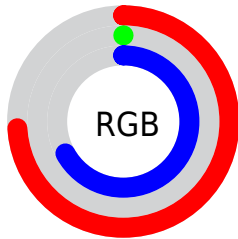
Format	Color
R_{YB}	188, 0, 170
Decimal	12320938
CIE _{Lab}	43.64, 75.58, -39.42
CIE _{LCh}	44, 85.245, 332.458
Yxy	13.5936, 0.3466, 0.1683
Android (android.graphics.Color)	4290511018 (0xFFBC00AA)
YUV	75.5920, 46.5431, 98.5818
Hunter-Lab	36.8695, 71.0119, -37.1946

Details

The XYZ color **27.9947, 13.5936, 39.1786** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.0931, 36.0107, 6.5705**, and the grayscale version is **6.7084, 7.0577, 7.6858**.

A 20% lighter version of the original color is **55.9286, 32.4269, 75.2628**, and **12.4168, 6.0302, 17.3391** is the 20% darker color. If you saturate the color by 10%, you get **27.9947, 13.5937, 39.1776**, and if you desaturate by 10%, it is **28.3964, 14.1222, 40.1586**.

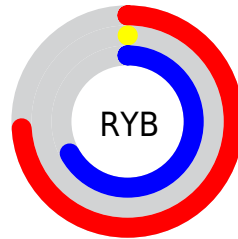
Distribution



Red (74%)

Green (0%)

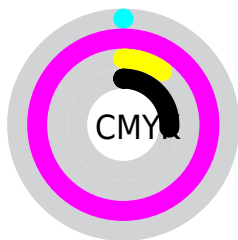
Blue (67%)



Red (74%)

Yellow (0%)

Blue (67%)

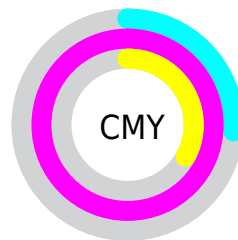


Cyan (0%)

Magenta (100%)

Yellow (10%)

Black (26%)



Cyan (26%)

Magenta (100%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9947, 13.5936, 39.1786 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 27.9947, 13.5936, 39.1786 by changing the saturation by 10% instead.

 27.9947, 13.5936,
39.1786


 27.9947, 13.5936,
39.1786


284.5221,
214.6877, 358.0978


 18.4621, 7.8386,
26.5898


 55.8847, 32.3662,
75.1344


 11.3839, 3.9918,
17.0357


 74.9728, 46.1525,
99.3385


 6.3949, 1.6690,
10.0977


 97.9767, 63.3847,
128.2515

 3.1296, 0.4035,
5.3573

 125.2619, 84.4472,
162.2918

 1.2227, 0.0000,
2.3960

 157.1937,
109.7243, 201.8781

 0.1241, 0.0000,
0.7843

 194.1374,

 0.0000, 0.0000,

139.6005, 247.4288

0.0000

236.4585,
174.4602, 299.3625

■ 27.9947, 13.5936,
39.1786

■ 27.9947, 13.5936,
39.1786

■ 27.9947, 13.5937,
39.1776

■ 28.3964, 14.1222,
40.1586

■ 29.0215, 15.0942,
41.2246

■ 29.9514, 16.6720,
42.4037

■ 31.2264, 18.9364,
43.7096

■ 32.8809, 21.9559,
45.1536

■ 34.9449, 25.7906,
46.7459

■ 37.4455, 30.4946,
48.4954

■ 40.4074, 36.1174,
50.4106

■ 43.8535, 42.7048,
52.4990

Harmonies

Analogous

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



21.1181, 13.5936, 72.6477



27.9947, 13.5936, 39.1786



30.4841, 13.5936, 13.2781

Triad

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



27.9947, 13.5936, 39.1786



12.3770, 13.5936, 0.0000



4.8269, 13.5936, 44.6464

Complementary

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



27.9947, 13.5936, 39.1786



18.0931, 36.0107, 6.5705

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.



3.8638, 13.5936, 16.4363



27.9947, 13.5936, 39.1786



7.1774, 13.5936, 0.2322

Square

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



27.9947, 13.5936, 39.1786



19.8210, 13.5936, 0.0000



4.5466, 13.5936, 3.4714



7.8420, 13.5936, 77.3024

Rectangle

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



27.9947, 13.5936, 39.1786



28.8093, 13.5936, 4.7229



4.5466, 13.5936, 3.4714



4.3106, 13.5936, 33.7843

Sweetspot

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



27.9952, 13.5943, 39.1789



67.6159, 54.7979, 87.7233



9.2858, 3.7388, 47.8096



14.1119, 10.9758, 18.5706



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.



27.9952, 13.5943, 39.1789



50.6854, 24.6161, 70.7372



22.1271, 11.2470, 8.2779



9.8895, 9.6801, 11.8071



19.0752, 9.2612, 26.7532



0.7588, 0.3674, 1.1089

Inverse Universe

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



27.9952, 13.5943, 39.1789



50.6854, 24.6161, 70.7372



20.7806, 37.0857, 20.7228



9.8895, 9.6801, 11.8071



19.0752, 9.2612, 26.7532



0.7588, 0.3674, 1.1089

Previews

White Background



This preview shows how the XYZ color 27.9947, 13.5936, 39.1786 looks on a white background.

Color Contrast Check

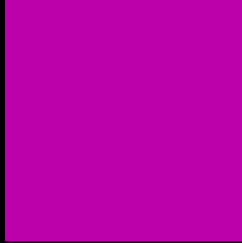
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9947, 13.5936, 39.1786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

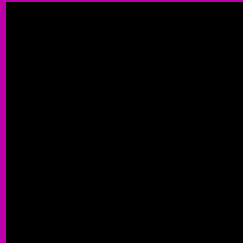
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9947, 13.5936, 39.1786

Background



This preview shows how black text looks on a background with the XYZ color 27.9947, 13.5936, 39.1786.



This preview shows how white text looks on a background with the XYZ color 27.9947, 13.5936,

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

27.9947, 13.5936, 39.1786

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.6212, 14.3035, 35.2479



Tritanopia

21.7349, 14.0529, 7.5282

Trichromacy



Original Color

27.9947, 13.5936, 39.1786



Protanomaly

14.5830, 9.1331, 55.0271



Deuteranomaly

16.3157, 10.6166, 36.3112



Tritanomaly

22.8091, 12.7344, 15.1657

Monochromacy



Original Color

27.9947, 13.5936, 39.1786



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.2075, 7.0216, 15.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9947, 13.5936, 39.1786 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(188, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 27.9947, 13.5936, 39.1786 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(188, 0, 170) }
```


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

```
.border{ border-color:rgb(188, 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(188, 0, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9947, 13.5936, 39.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 170) }
```

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

```
.background{ background-color: rgb(188, 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](#).

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