

Converting Colors

XYZ(27.9668, 13.5301, 41.3949)

Have a look what the booklet for
XYZ(27.9668, 13.5301, 41.3949)
contains.

XYZ(27.8897, 13.4951, 41.1793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.8897, 13.4951,
41.1793)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00AE
RGB	186, 0, 174
RGB Percent	73%, 0%, 68%
CMY	0.2706, 0.9999, 0.3176
CMYK	0.00, 1.00, 0.06, 0.27
HSL	304°, 100%, 36%
HSV	304°, 100%, 73%
XYZ	27.8897, 13.4951, 41.1793
YIQ	75.4500, 55.0020, 93.5460

Conversions

Conversions Part 2

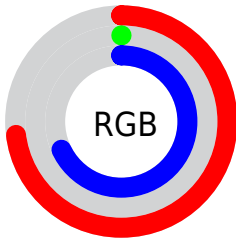
Format	Color
RYB	186, 0, 174
Decimal	12189870
CIELab	43.50, 75.79, -42.05
CIELCh	43, 86.672, 330.979
Yxy	13.4951, 0.3378, 0.1634
Android (android.graphics.Color)	4290379950 (0xFFBA00AE)
YUV	75.4500, 48.5851, 96.9523
Hunter-Lab	36.7357, 71.2296, -40.7469

Details

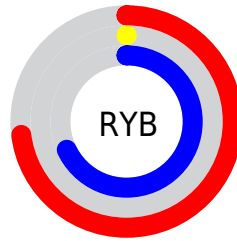
The XYZ color **27.8897, 13.4951, 41.1793** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.6259, 35.1450, 6.2033**, and the grayscale version is **6.6795, 7.0274, 7.6528**.

A 20% lighter version of the original color is **55.6972, 32.1224, 78.1276**, and **12.3533, 5.9697, 18.5903** is the 20% darker color. If you saturate the color by 10%, you get **27.8898, 13.4952, 41.1787**, and if you desaturate by 10%, it is **28.2341, 13.9954, 41.8741**.

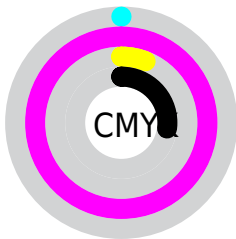
Distribution



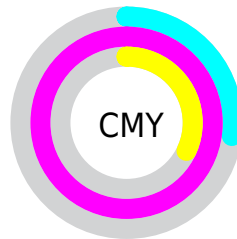
- Red (73%)
- Green (0%)
- Blue (68%)



- Red (73%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8897, 13.4951, 41.1793 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 27.8897, 13.4951, 41.1793 by changing the saturation by 10% instead.


 27.8897, 13.4951,
41.1793


 27.8897, 13.4951,
41.1793


284.0291,
214.0668, 366.7682


 18.3826, 7.7704,
28.1385


 55.7182, 32.1904,
78.2126

 11.3263, 3.9484,
18.1901

 74.7702, 45.9298,
103.0422


 6.3557, 1.6447,
10.9157


 97.7346, 63.1095,
132.6384

 3.1052, 0.3875,
5.8967

 124.9767, 84.1139,
167.4198

 1.2097, 0.0000,
2.7146

 156.8618,
109.3275, 207.8050

 0.1140, 0.0000,
0.9508

 193.7554,

 0.0000, 0.0000,

139.1345, 254.2124

0.0000

236.0227,
173.9195, 307.0606

■ 27.8897, 13.4951,
41.1793

■ 27.8897, 13.4951,
41.1793

■ 27.8898, 13.4952,
41.1787

■ 28.2341, 13.9954,
41.8741

■ 28.7947, 14.9268,
42.6461

■ 29.6515, 16.4489,
43.5219

■ 30.8437, 18.6403,
44.5148

■ 32.4048, 21.5675,
45.6358

■ 34.3640, 25.2893,
46.8948

■ 36.7476, 29.8583,
48.3005

■ 39.5797, 35.3227,
49.8609

■ 42.8827, 41.7269,
51.5836

Harmonies

Analogous

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



20.7522, 13.4951, 75.3389



27.8897, 13.4951, 41.1793



30.7175, 13.4951, 14.0668

Triad

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



27.8897, 13.4951, 41.1793



12.6058, 13.4951, 0.0000



4.5958, 13.4951, 43.4089

Complementary

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



27.8897, 13.4951, 41.1793



17.6259, 35.1450, 6.2033

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.



3.7229, 13.4951, 15.3393



27.8897, 13.4951, 41.1793



7.2299, 13.4951, 0.0483

Square

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



27.8897, 13.4951, 41.1793



20.2264, 13.4951, 0.0000



4.4846, 13.4951, 3.0197



7.4957, 13.4951, 77.2466

Rectangle

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



27.8897, 13.4951, 41.1793



29.2035, 13.4951, 4.9865



4.4846, 13.4951, 3.0197



4.1129, 13.4951, 32.4679

Sweetspot

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



27.8902, 13.4958, 41.1796



66.3671, 53.6591, 87.4101



8.9800, 3.6059, 46.6777



14.1944, 11.0088, 19.0053



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.



27.8902, 13.4958, 41.1796



50.5163, 24.4465, 74.4532



21.8392, 11.0754, 9.3155



9.3552, 9.1525, 11.2181



18.7738, 9.0833, 27.7596



0.6694, 0.3232, 1.0185

Inverse Universe

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



27.8902, 13.4958, 41.1796



50.5163, 24.4465, 74.4532



19.9732, 36.0839, 18.5636



9.3552, 9.1525, 11.2181



18.7738, 9.0833, 27.7596



0.6694, 0.3232, 1.0185

Previews

White Background



This preview shows how the XYZ color 27.8897, 13.4951, 41.1793 looks on a white background.

Color Contrast Check

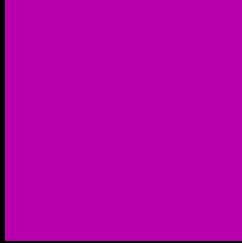
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8897, 13.4951, 41.1793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

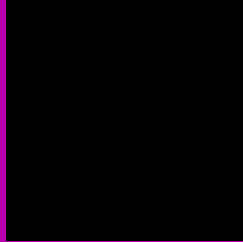
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8897, 13.4951, 41.1793

Background



This preview shows how black text looks on a background with the XYZ color 27.8897, 13.4951, 41.1793.



This preview shows how white text looks on a background with the XYZ color 27.8897, 13.4951,

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

27.8897, 13.4951, 41.1793

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.4865, 14.2033, 36.6283



Tritanopia

21.1742, 13.8454, 7.8598

Trichromacy



Original Color

27.8897, 13.4951, 41.1793



Protanomaly

14.6426, 9.0659, 55.6217



Deuteranomaly

16.0524, 10.4492, 37.7301



Tritanomaly

22.5007, 12.5568, 15.9896

Monochromacy



Original Color

27.8897, 13.4951, 41.1793



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 27.8897, 13.4951, 41.1793 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(186, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 174)  
}
```

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(186, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 174) }
```

Border

The CSS property to change the border of an element to XYZ 27.8897, 13.4951, 41.1793 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(186, 0, 174) }
```


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

```
.border{ border-color:rgb(186, 0, 174) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8897, 13.4951, 41.1793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 174) }
```

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

```
.background{ background-color: rgb(186, 0,  
174) }
```

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