

Converting Colors

XYZ(27.2211, 14.0663, 40.8808)

Have a look what the booklet for
XYZ(27.2211, 14.0663, 40.8808)
contains.

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Color

**XYZ(27.1999, 14.0430,
40.8121)**

Conversions

Conversions Part 1

Format	Color
Hex	B523AD
RGB	181, 35, 173
RGB Percent	71%, 14%, 68%
CMY	0.2902, 0.8627, 0.3216
CMYK	0.00, 0.81, 0.04, 0.29
HSL	303°, 68%, 42%
HSV	303°, 81%, 71%
XYZ	27.1999, 14.0430, 40.8121
YIQ	94.3860, 42.7180, 73.8700

Conversions

Conversions Part 2

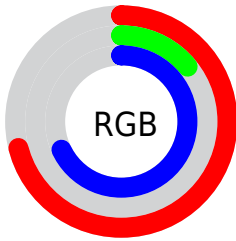
Format	Color
R_{YB}	181, 35, 173
Decimal	11871149
CIE _{Lab}	44.29, 69.60, -40.25
CIE _{LCh}	44, 80.401, 329.962
Yxy	14.0430, 0.3315, 0.1711
Android (android.graphics.Color)	4290061229 (0xFFB523AD)
YUV	94.3860, 38.7567, 75.9605
Hunter-Lab	37.4740, 63.9819, -38.3396

Details

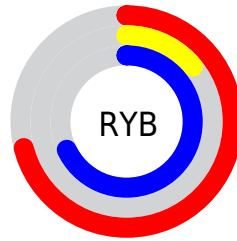
The XYZ color **27.1999, 14.0430, 40.8121** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.6538, 33.5801, 7.8377**, and the grayscale version is **10.6359, 11.1898, 12.1857**.

A 20% lighter version of the original color is **54.5399, 33.1061, 77.6443**, and **11.7023, 5.6412, 18.2414** is the 20% darker color. If you saturate the color by 10%, you get **26.7025, 13.2009, 40.1746**, and if you desaturate by 10%, it is **27.9736, 15.4358, 41.5454**.

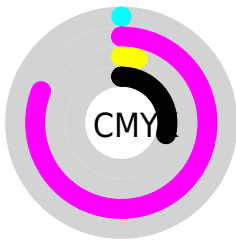
Distribution



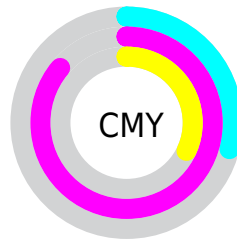
- Red (71%)
- Green (14%)
- Blue (68%)



- Red (71%)
- Yellow (14%)
- Blue (68%)



- Cyan (0%)
- Magenta (81%)
- Yellow (4%)
- Black (29%)





- Cyan (29%)
- Magenta (86%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1999, 14.0430, 40.8121 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 27.1999, 14.0430, 40.8121 by changing the saturation by 10% instead.

 27.1999, 14.0430,
40.8121

 27.1999, 14.0430,
40.8121

280.7736,
217.4982, 365.1880


 17.8608, 8.1506,
27.8537


 54.6221, 33.1653,
77.6491

 10.9492, 4.1915,
17.9773


 73.4359, 47.1640,
102.3649


 6.0997, 1.7812,
10.7644


 96.1386, 64.6335,
131.8368

 2.9470, 0.4754,
5.7965

 123.0956, 85.9583,
166.4834

 1.1258, 0.0000,
2.6550

 154.6723,
111.5228, 206.7233

 0.0466, 0.0000,
0.9206

 191.2339,

 0.0000, 0.0000,

141.7114, 252.9750

0.0000

233.1459,
176.9083, 305.6571

■ 27.1999, 14.0430,
40.8121

■ 27.1999, 14.0430,
40.8121

■ 26.7025, 13.2009,
40.1746

■ 27.9736, 15.4358,
41.5454

■ 26.4147, 12.7672,
39.6410

■ 29.0592, 17.4517,
42.3862

■ 30.4886, 20.1540,
43.3451

■ 32.2895, 23.5981,
44.4313

■ 34.4865, 27.8335,
45.6531

■ 37.1025, 32.9054,
47.0181

■ 40.1582, 38.8557,
48.5333

■ 43.6732, 45.7236,
50.2052

■ 47.6660, 53.5457,
52.0398

Harmonies

Analogous

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



20.5394, 14.0430, 71.2212



27.1999, 14.0430, 40.8121



29.9627, 14.0430, 15.3139

Triad

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



27.1999, 14.0430, 40.8121



13.3556, 14.0430, 0.0000



5.2347, 14.0430, 40.7342

Complementary

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



27.1999, 14.0430, 40.8121



17.6538, 33.5801, 7.8377

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.



4.3969, 14.0430, 15.2671



27.1999, 14.0430, 40.8121



8.0673, 14.0430, 0.4694

Square

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



27.1999, 14.0430, 40.8121



20.5582, 14.0430, 0.4731



5.2391, 14.0430, 3.5195



8.0572, 14.0430, 71.1559

Rectangle

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



27.1999, 14.0430, 40.8121



28.7047, 14.0430, 6.0950



5.2391, 14.0430, 3.5195



4.7615, 14.0430, 30.8821

Sweetspot

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



27.2004, 14.0437, 40.8124



64.6050, 55.3515, 83.2617



9.9095, 5.0377, 44.1666



13.6111, 11.2805, 17.8114



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.2004, 14.0437, 40.8124



47.4075, 23.0278, 71.1442



21.9922, 11.9604, 13.3860



8.8295, 8.6385, 10.6007



18.2181, 8.8048, 27.3721



0.5793, 0.2795, 0.8932

Inverse Universe

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



27.2004, 14.0437, 40.8124



47.4075, 23.0278, 71.1442



20.3296, 34.6504, 21.9286



8.8295, 8.6385, 10.6007



18.2181, 8.8048, 27.3721



0.5793, 0.2795, 0.8932

Previews

White Background



This preview shows how the XYZ color 27.1999, 14.0430, 40.8121 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

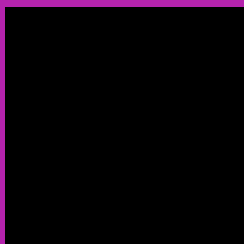
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.1999, 14.0430, 40.8121

Background



This preview shows how black text looks on a background with the XYZ color 27.1999, 14.0430, 40.8121.



This preview shows how white text looks on a background with the XYZ color 27.1999, 14.0430,

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

27.1999, 14.0430, 40.8121

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.7454, 14.4889, 36.6698



Tritanopia

20.6546, 14.1200, 9.0339

Trichromacy



Original Color

27.1999, 14.0430, 40.8121



Protanomaly

15.3965, 10.7772, 55.9123



Deuteranomaly

16.7831, 12.1047, 38.0111



Tritanomaly

22.2757, 13.5379, 17.0618

Monochromacy



Original Color

27.1999, 14.0430, 40.8121



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

14.5619, 10.6308, 20.0233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1999, 14.0430, 40.8121 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(181, 35, 173)` looks like.

```
.text, #text, p{  
    color:rgb(181, 35, 173)  
}
```

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(181, 35, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 35, 173) }
```

Border

The CSS property to change the border of an element to XYZ 27.1999, 14.0430, 40.8121 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(181, 35, 173) }
```


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

```
.border{ border-color:rgb(181, 35, 173) }
```

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

Here you see how a box with a 4 pixel rgb(181, 35, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 35, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 35, 173);  
box-shadow:4px 4px 4px 4px rgb(181, 35,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1999, 14.0430, 40.8121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 35, 173) }
```

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

```
.background{ background-color: rgb(181, 35,  
173) }
```

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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