

Converting Colors

XYZ(31.3755, 27.2295, 44.4044)

Have a look what the booklet for
XYZ(31.3755, 27.2295, 44.4044)
contains.

XYZ(31.3712, 27.3271, 44.1787)	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(31.3712, 27.3271,
44.1787)**

Conversions

Conversions Part 1

Format	Color
Hex	A583AF
RGB	165, 131, 175
RGB Percent	65%, 51%, 69%
CMY	0.3529, 0.4863, 0.3137
CMYK	0.06, 0.25, 0.00, 0.31
HSL	286°, 22%, 60%
HSV	286°, 25%, 69%
XYZ	31.3712, 27.3271, 44.1787
YIQ	146.1820, 6.1400, 20.8920

Conversions

Conversions Part 2

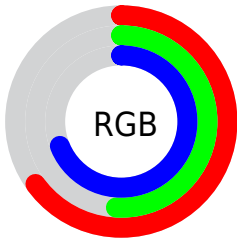
Format	Color
R_{YB}	165, 131, 175
Decimal	10847151
CIE _{Lab}	59.28, 21.08, -18.28
CIE _{LCh}	59, 27.898, 319.069
Yxy	27.3271, 0.3049, 0.2656
Android (android.graphics.Color)	4289037231 (0xFFA583AF)
YUV	146.1820, 14.2073, 16.5034
Hunter-Lab	52.2753, 15.6387, -13.5142

Details

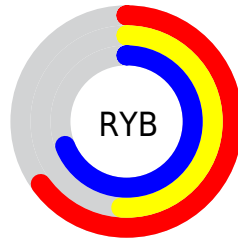
The XYZ color **31.3712, 27.3271, 44.1787** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.4123, 37.9621, 27.1986**, and the grayscale version is **27.3388, 28.7625, 31.3224**.

A 20% lighter version of the original color is **61.0795, 55.2661, 83.0495**, and **13.2653, 10.8007, 19.7979** is the 20% darker color. If you saturate the color by 10%, you get **28.4022, 22.5977, 43.4227**, and if you desaturate by 10%, it is **34.7647, 32.8661, 45.0694**.

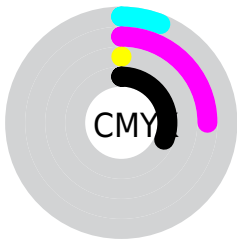
Distribution



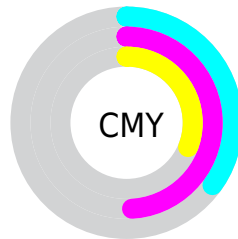
- Red (65%)
- Green (51%)
- Blue (69%)



- Red (65%)
- Yellow (51%)
- Blue (69%)



- Cyan (6%)
- Magenta (25%)
- Yellow (0%)
- Black (31%)



- Cyan (35%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3712, 27.3271, 44.1787 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 31.3712, 27.3271, 44.1787 by changing the saturation by 10% instead.

■ 31.3712, 27.3271,
44.1787

■ 31.3712, 27.3271,
44.1787

300.0412,
289.2374, 379.4997

■ 21.0349, 17.8190,
30.4728

■ 61.1959, 55.4083,
82.7919

■ 13.2621, 10.8201,
19.9426

■ 81.4150, 74.7503,
108.5363

■ 7.6875, 5.9460,
12.1697

■ 105.6590, 98.1389,
139.1306

■ 3.9458, 2.8123,
6.7354

134.2934,
125.9588, 174.9934

■ 1.6715, 1.0345,
3.2213

167.6835,
158.5941, 216.5431

■ 0.4383, 0.0000,
1.2087

206.1945,

■ 0.0000, 0.0000,

196.4294, 264.1984

0.0000

250.1920,
239.8491, 318.3777

■ 31.3712, 27.3271,
44.1787

■ 31.3712, 27.3271,
44.1787

■ 28.4022, 22.5977,
43.4227

■ 34.7647, 32.8661,
45.0694

■ 25.8348, 18.6343,
42.7930

■ 38.5988, 39.2483,
46.0992

■ 23.6481, 15.3948,
42.2830

■ 42.8919, 46.5098,
47.2745

■ 21.8180, 12.8312,
41.8846

■ 47.6608, 54.6834,
48.6009

■ 20.3174, 10.8899,
41.5890

■ 52.9210, 63.8004,
50.0834

■ 19.1151, 9.5088,
41.3858

■ 58.6877, 73.8903,
51.7270

■ 18.1729, 8.6116,
41.2623

■ 64.9751, 84.9816,
53.5364

■ 17.7661, 8.2649,
41.2168

■ 66.4770, 86.4613,
53.7429

■ 67.5311, 87.0047,
53.7922

Harmonies

Analogous

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



28.2245, 27.3271, 51.8230



31.3712, 27.3271, 44.1787



33.1228, 27.3271, 33.5433

Triad

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



31.3712, 27.3271, 44.1787



27.2648, 27.3271, 14.6115



20.1421, 27.3271, 36.4739

Complementary

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



31.3712, 27.3271, 44.1787



30.4123, 37.9621, 27.1986

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.



19.9351, 27.3271, 26.2624



31.3712, 27.3271, 44.1787



23.8456, 27.3271, 15.0546

Square

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



31.3712, 27.3271, 44.1787



30.6148, 27.3271, 17.4850



21.2336, 27.3271, 18.8710



21.8269, 27.3271, 46.7325

Rectangle

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



31.3712, 27.3271, 44.1787



33.1673, 27.3271, 26.8314



21.2336, 27.3271, 18.8710



19.9034, 27.3271, 32.8827

Sweetspot

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



31.3721, 27.3283, 44.1793



66.9852, 66.7031, 81.9814



26.6633, 27.0502, 44.3738



14.6580, 14.4414, 18.1592



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.3721, 27.3283, 44.1793



53.2336, 44.2124, 78.3650



32.4311, 28.0017, 38.4721



8.1564, 8.0549, 10.0776



12.7778, 5.9471, 29.5189



0.3987, 0.1877, 0.8232

Inverse Universe

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



30.6042, 27.2709, 28.8515



51.7108, 44.1419, 46.0129



29.6288, 37.4611, 31.5511



8.0770, 8.0441, 8.7165



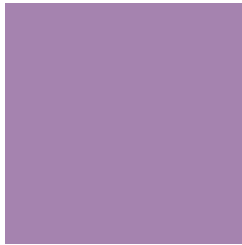
12.9522, 6.6434, 2.1278



0.3808, 0.1930, 0.1670

Previews

White Background



This preview shows how the XYZ color 31.3712, 27.3271, 44.1787 looks on a white 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

Black Background



This preview shows how the XYZ color 31.3712, 27.3271, 44.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

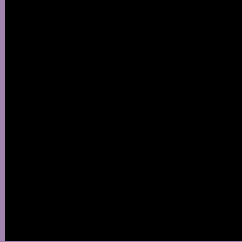
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3712, 27.3271, 44.1787

Background



This preview shows how black text looks on a background with the XYZ color 31.3712, 27.3271, 44.1787.



This preview shows how white text looks on a background with the XYZ color 31.3712, 27.3271,

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

31.3712, 27.3271, 44.1787

Protanopia

27.4841, 27.3327, 48.0831

Deuteranopia

28.0762, 27.5241, 43.3681



Tritanopia

28.7686, 27.2920, 31.3554

Trichromacy



Original Color

31.3712, 27.3271, 44.1787

Protanomaly

28.5839, 27.0753, 46.3673

Deuteranomaly

29.1633, 27.4313, 43.8021

Tritanomaly

29.5112, 27.1659, 35.5864

Monochromacy



Original Color

31.3712, 27.3271, 44.1787

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.7475, 28.2564, 35.8372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3712, 27.3271, 44.1787 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(165, 131, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 131, 175)  
}
```

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(165, 131, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 131, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.3712, 27.3271, 44.1787 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(165, 131, 175) }
```


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

```
.border{ border-color:rgb(165, 131, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 131, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 131, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 131, 175);  
box-shadow:4px 4px 4px 4px rgb(165, 131,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3712, 27.3271, 44.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 131, 175) }
```

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

```
.background{ background-color: rgb(165,  
131, 175) }
```

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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