

Converting Colors

XYZ(31.1610, 27.1908, 43.6507)

Have a look what the booklet for
XYZ(31.1610, 27.1908, 43.6507)
contains.

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Color

**XYZ(31.2733, 27.2879,
43.6632)**

Conversions

Conversions Part 1

Format	Color
Hex	A583AE
RGB	165, 131, 174
RGB Percent	65%, 51%, 68%
CMY	0.3529, 0.4863, 0.3176
CMYK	0.05, 0.25, 0.00, 0.32
HSL	287°, 21%, 60%
HSV	287°, 25%, 68%
XYZ	31.2733, 27.2879, 43.6632
YIQ	146.0680, 6.4610, 20.5810

Conversions

Conversions Part 2

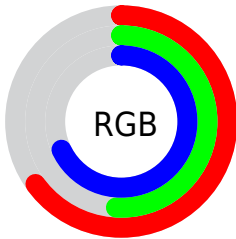
Format	Color
R_{YB}	165, 131, 174
Decimal	10847150
CIE _{Lab}	59.24, 20.87, -17.76
CIE _{LCh}	59, 27.407, 319.604
Yxy	27.2879, 0.3059, 0.2669
Android (android.graphics.Color)	4289037230 (0xFFA583AE)
YUV	146.0680, 13.7705, 16.6034
Hunter-Lab	52.2378, 15.4467, -12.9913

Details

The XYZ color **31.2733, 27.2879, 43.6632** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.0490, 37.4869, 27.1260**, and the grayscale version is **27.2936, 28.7150, 31.2707**.

A 20% lighter version of the original color is **60.9386, 55.2098, 82.3077**, and **13.2653, 10.8007, 19.7979** is the 20% darker color. If you saturate the color by 10%, you get **28.3832, 22.6159, 42.9141**, and if you desaturate by 10%, it is **34.5791, 32.7583, 44.5453**.

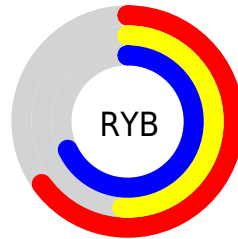
Distribution



Red (65%)

Green (51%)

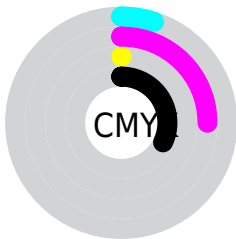
Blue (68%)



Red (65%)

Yellow (51%)

Blue (68%)

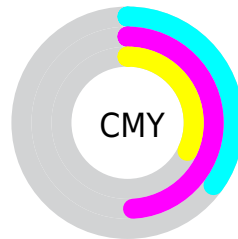


Cyan (5%)

Magenta (25%)

Yellow (0%)

Black (32%)



Cyan (35%)

Magenta (49%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2733, 27.2879, 43.6632 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 31.2733, 27.2879, 43.6632 by changing the saturation by 10% instead.

■ 31.2733, 27.2879,
43.6632

■ 31.2733, 27.2879,
43.6632

299.5999,
289.0484, 377.3332

■ 20.9599, 17.7896,
30.0706

■ 61.0430, 55.3455,
82.0078

■ 13.2070, 10.7990,
19.6397

■ 81.2300, 74.6736,
107.5968

■ 7.6492, 5.9318,
11.9519

■ 105.4390, 98.0470,
138.0217

■ 3.9212, 2.8037,
6.5888

134.0352,
125.8502, 173.7010

■ 1.6577, 1.0301,
3.1318

167.3840,
158.4675, 215.0532

■ 0.4295, 0.0000,
1.1623

205.8509,

■ 0.0000, 0.0000,

196.2834, 262.4970

0.0000

249.8010,
239.6822, 316.4508

■ 31.2733, 27.2879,
43.6632

■ 31.2733, 27.2879,
43.6632

■ 28.3832, 22.6159,
42.9141

■ 34.5791, 32.7583,
44.5453

■ 25.8865, 18.6994,
42.2898

■ 38.3165, 39.0601,
45.5647

■ 23.7627, 15.4971,
41.7836

■ 42.5036, 46.2288,
46.7277

■ 21.9880, 12.9620,
41.3878

■ 47.1567, 54.2966,
48.0397

■ 20.5361, 11.0414,
41.0936

■ 52.2912, 63.2941,
49.5057

■ 19.3766, 9.6748,
40.8910

■ 57.9218, 73.2506,
51.1308

■ 18.4724, 8.7886,
40.7676

■ 64.0626, 84.1940,
52.9194

■ 18.0521, 8.4237,
40.7193

■ 65.6833, 86.0635,
53.1948

■ 66.6305, 86.5517,
53.2392

Harmonies

Analogous

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



28.2057, 27.2879, 51.2168



31.2733, 27.2879, 43.6632



32.9563, 27.2879, 33.2412

Triad

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



31.2733, 27.2879, 43.6632



27.1411, 27.2879, 14.7718



20.2221, 27.2879, 36.4887

Complementary

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



31.2733, 27.2879, 43.6632



30.0490, 37.4869, 27.1260

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.



19.9915, 27.2879, 26.4416



31.2733, 27.2879, 43.6632



23.7921, 27.2879, 15.2683

Square

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



31.2733, 27.2879, 43.6632



30.4353, 27.2879, 17.5539



21.2440, 27.2879, 19.1025



21.9041, 27.2879, 46.4851

Rectangle

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



31.2733, 27.2879, 43.6632



32.9748, 27.2879, 26.6795



21.2440, 27.2879, 19.1025



19.9782, 27.2879, 32.9658

Sweetspot

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



31.2742, 27.2891, 43.6638



67.7926, 67.9508, 82.1796



26.4256, 26.7314, 43.8117



14.9780, 14.9511, 18.2408



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.



31.2742, 27.2891, 43.6638



53.5866, 44.3944, 78.3815



32.0780, 27.8345, 37.7797



8.1705, 8.0622, 10.0782



13.1436, 6.1356, 29.5361



0.4064, 0.1917, 0.8236

Inverse Universe

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



30.3064, 27.1259, 28.4507



51.5917, 44.0942, 45.3857



29.4689, 37.0868, 31.6659



8.0713, 8.0418, 8.6862



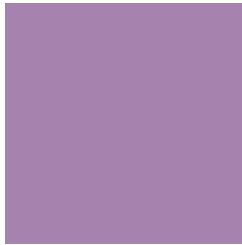
12.9145, 6.6283, 1.9292



0.3785, 0.1921, 0.1551

Previews

White Background



This preview shows how the XYZ color 31.2733, 27.2879, 43.6632 looks on a white background.

Color Contrast Check

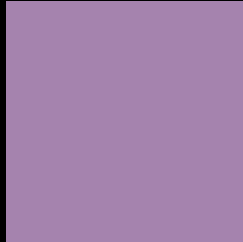
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2733, 27.2879, 43.6632 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 31.2733, 27.2879, 43.6632

Background



This preview shows how black text looks on a background with the XYZ color 31.2733, 27.2879, 43.6632.



This preview shows how white text looks on a background with the XYZ color 31.2733, 27.2879,

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

31.2733, 27.2879, 43.6632

Protanopia

27.5382, 27.3725, 47.5481

Deuteranopia

27.9798, 27.4855, 42.8603



Tritanopia

28.7686, 27.2920, 31.3554

Trichromacy



Original Color

31.2733, 27.2879, 43.6632

Protanomaly

28.6586, 27.1254, 45.8447

Deuteranomaly

29.0662, 27.3925, 43.2905

Tritanomaly

29.5112, 27.1659, 35.5864

Monochromacy



Original Color

31.2733, 27.2879, 43.6632

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.6625, 28.2224, 35.3893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2733, 27.2879, 43.6632 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(165, 131, 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(165, 131, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 131, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.2733, 27.2879, 43.6632 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, 174) }
```


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

```
.border{ border-color:rgb(165, 131, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 131, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 131, 174);  
box-shadow:4px 4px 4px 4px rgb(165, 131,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2733, 27.2879, 43.6632 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, 174) }
```

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

```
.background{ background-color: rgb(165,  
131, 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](#).

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