

Converting Colors

XYZ(31.7662, 27.8941, 55.3401)

Have a look what the booklet for
XYZ(31.7662, 27.8941, 55.3401)
contains.

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Color

**XYZ(31.7018, 27.8603,
55.3365)**

Conversions

Conversions Part 1

Format	Color
Hex	9A86C3
RGB	154, 134, 195
RGB Percent	60%, 53%, 76%
CMY	0.3961, 0.4745, 0.2353
CMYK	0.21, 0.31, 0.00, 0.24
HSL	260°, 34%, 65%
HSV	260°, 31%, 76%
XYZ	31.7018, 27.8603, 55.3365
YIQ	146.9340, -7.6610, 23.2110

Conversions

Conversions Part 2

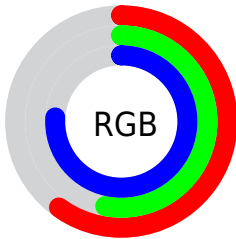
Format	Color
RYB	154, 134, 195
Decimal	10127043
CIELab	59.76, 20.19, -28.98
CIELCh	60, 35.320, 304.864
Yxy	27.8603, 0.2759, 0.2425
Android (android.graphics.Color)	4288317123 (0xFF9A86C3)
YUV	146.9340, 23.6965, 6.1969
Hunter-Lab	52.7829, 14.8385, -25.2105

Details

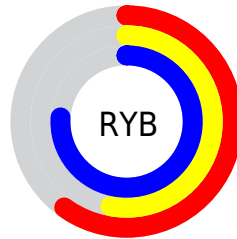
The XYZ color **31.7018, 27.8603, 55.3365** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.4982, 49.8661, 29.9933**, and the grayscale version is **27.6141, 29.0522, 31.6378**.

A 20% lighter version of the original color is **61.6355, 56.1242, 99.6800**, and **13.4575, 11.0885, 26.6303** is the 20% darker color. If you saturate the color by 10%, you get **26.8913, 21.7421, 54.4096**, and if you desaturate by 10%, it is **37.2835, 35.1150, 56.4431**.

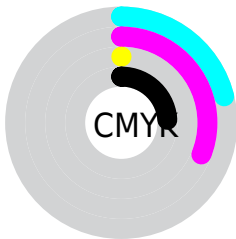
Distribution



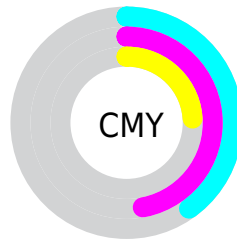
- Red (60%)
- Green (53%)
- Blue (76%)



- Red (60%)
- Yellow (53%)
- Blue (76%)



- Cyan (21%)
- Magenta (31%)
- Yellow (0%)
- Black (24%)



- Cyan (40%)
- Magenta (47%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7018, 27.8603, 55.3365 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 31.7018, 27.8603, 55.3365 by changing the saturation by 10% instead.

■ 31.7018, 27.8603,
55.3365

■ 31.7018, 27.8603,
55.3365

301.5281,
291.7988, 424.5041

■ 21.2883, 18.2204,
39.2708

■ 61.7117, 56.2613,
99.5099

■ 13.4485, 11.1083,
26.6610

■ 82.0387, 75.7912,
128.4547

■ 7.8173, 6.1397,
17.0886

■ 106.4010, 99.3866,
162.5295

■ 4.0291, 2.9302,
10.1351

135.1638,
127.4317, 202.1530

■ 1.7186, 1.0954,
5.3818

168.6926,
160.3112, 247.7436

■ 0.4679, 0.0000,
2.4104

207.3527,

■ 0.0000, 0.0000,

198.4092, 299.7200

0.7921

251.5094,
242.1103, 358.5006

■ 0.0000, 0.0000,
0.0000

■ 31.7018, 27.8603,
55.3365

■ 31.7018, 27.8603,
55.3365

■ 26.8913, 21.7421,
54.4096

■ 37.2835, 35.1150,
56.4431

■ 22.8132, 16.6979,
53.6509

■ 43.6672, 43.5577,
57.7362

■ 19.4292, 12.6641,
53.0506

■ 50.8853, 53.2407,
59.2248

■ 16.6962, 9.5688,
52.5972

■ 58.9676, 64.2121,
60.9165

■ 14.5656, 7.3302,
52.2774

■ 67.9423, 76.5175,
62.8187

■ 12.9809, 5.8516,
52.0756

■ 77.8363, 90.2003,
64.9382

■ 11.9604, 5.0279,
51.9704

■ 83.5285, 95.0077,
65.5661

■ 86.8504, 96.7202,
65.7216

Harmonies

Analogous

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



27.2156, 27.8603, 62.0528



31.7018, 27.8603, 55.3365



35.0453, 27.8603, 42.0341

Triad

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



31.7018, 27.8603, 55.3365



30.3003, 27.8603, 13.0663



18.8087, 27.8603, 32.4697

Complementary

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



31.7018, 27.8603, 55.3365



41.4982, 49.8661, 29.9933

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.



19.4387, 27.8603, 21.0372



31.7018, 27.8603, 55.3365



25.7585, 27.8603, 11.8290

Square

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



31.7018, 27.8603, 55.3365



34.1745, 27.8603, 18.3311



21.8663, 27.8603, 14.2928



20.0375, 27.8603, 46.6875

Rectangle

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



31.7018, 27.8603, 55.3365



35.9930, 27.8603, 32.5918



21.8663, 27.8603, 14.2928



18.8115, 27.8603, 28.1851

Sweetspot

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



31.7027, 27.8614, 55.3371



80.8484, 81.5353, 103.9465



35.1460, 39.9360, 57.4863



17.3029, 17.3186, 22.6808



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.7027, 27.8614, 55.3371



50.3498, 41.6960, 97.8642



38.0995, 31.1591, 55.6365



9.8324, 9.9048, 12.6784



7.8532, 3.3089, 33.7814



0.4129, 0.1809, 1.4630

Inverse Universe

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



38.7695, 31.7485, 44.6431



65.3347, 49.9514, 74.6032



35.5284, 46.7886, 29.7139



10.3523, 10.1895, 11.9458



17.3332, 8.6230, 14.9323



0.7796, 0.3848, 0.8066

Previews

White Background



This preview shows how the XYZ color 31.7018, 27.8603, 55.3365 looks on a white background.

Color Contrast Check

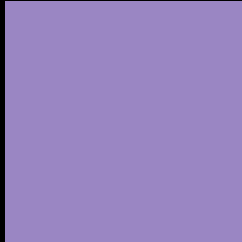
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7018, 27.8603, 55.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

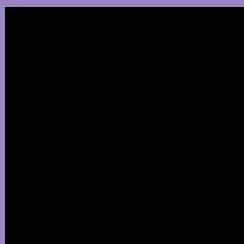
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7018, 27.8603, 55.3365

Background



This preview shows how black text looks on a background with the XYZ color 31.7018, 27.8603, 55.3365.



This preview shows how white text looks on a background with the XYZ color 31.7018, 27.8603,

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

31.7018, 27.8603, 55.3365

Protanopia

28.8198, 27.9987, 59.1437

Deuteranopia

28.5046, 27.9421, 54.3431



Tritanopia

27.4554, 27.8490, 34.0653

Trichromacy



Original Color

31.7018, 27.8603, 55.3365

Protanomaly

29.6948, 27.8230, 57.8381

Deuteranomaly

29.6177, 27.8492, 54.8534

Tritanomaly

28.8782, 27.7764, 40.8851

Monochromacy



Original Color

31.7018, 27.8603, 55.3365

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.9515, 28.5104, 39.0991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7018, 27.8603, 55.3365 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(154, 134, 195)` looks like.

```
.text, #text, p{  
    color:rgb(154, 134, 195)  
}
```

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(154, 134, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 134, 195) }
```

Border

The CSS property to change the border of an element to XYZ 31.7018, 27.8603, 55.3365 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(154, 134, 195) }
```


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

```
.border{ border-color:rgb(154, 134, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 134, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 134, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 134, 195);  
box-shadow:4px 4px 4px 4px rgb(154, 134,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7018, 27.8603, 55.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 134, 195) }
```

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

```
.background{ background-color: rgb(154,  
134, 195) }
```

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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