

Converting Colors

XYZ(31.3709, 27.9735, 49.2396)

Have a look what the booklet for
XYZ(31.3709, 27.9735, 49.2396)
contains.

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Color

**XYZ(31.4163, 28.0577,
49.1073)**

Conversions

Conversions Part 1

Format	Color
Hex	9E87B8
RGB	158, 135, 184
RGB Percent	62%, 53%, 72%
CMY	0.3804, 0.4706, 0.2784
CMYK	0.14, 0.27, 0.00, 0.28
HSL	268°, 26%, 63%
HSV	268°, 27%, 72%
XYZ	31.4163, 28.0577, 49.1073
YIQ	147.4630, -2.0210, 20.1150

Conversions

Conversions Part 2

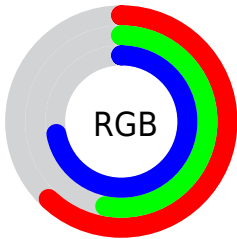
Format	Color
RYB	158, 135, 184
Decimal	10389432
CIELab	59.94, 18.38, -22.44
CIELCh	60, 29.007, 309.309
Yxy	28.0577, 0.2893, 0.2584
Android (android.graphics.Color)	4288579512 (0xFF9E87B8)
YUV	147.4630, 18.0127, 9.2409
Hunter-Lab	52.9695, 13.1720, -17.8883

Details

The XYZ color **31.4163, 28.0577, 49.1073** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.2124, 43.6080, 29.4314**, and the grayscale version is **27.8539, 29.3045, 31.9126**.

A 20% lighter version of the original color is **61.1520, 56.4038, 90.1020**, and **13.2891, 11.1999, 22.9341** is the 20% darker color. If you saturate the color by 10%, you get **27.2230, 22.4092, 48.2385**, and if you desaturate by 10%, it is **36.2077, 34.6745, 50.1324**.

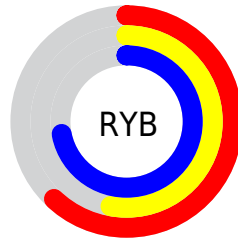
Distribution



Red (62%)

Green (53%)

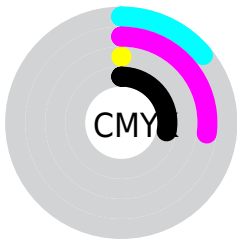
Blue (72%)



Red (62%)

Yellow (53%)

Blue (72%)

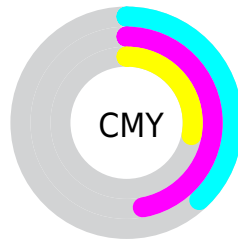


Cyan (14%)

Magenta (27%)

Yellow (0%)

Black (28%)



Cyan (38%)

Magenta (47%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4163, 28.0577, 49.1073 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 31.4163, 28.0577, 49.1073 by changing the saturation by 10% instead.

■ 31.4163, 28.0577,
49.1073

■ 31.4163, 28.0577,
49.1073

300.2444,
292.7425, 399.7992

■ 21.0694, 18.3692,
34.3384

■ 61.2663, 56.5765,
90.2334

■ 13.2875, 11.2153,
22.8742

■ 81.5001, 76.1756,
117.4278

■ 7.7052, 6.2119,
14.2962

■ 105.7603, 99.8471,
149.6010

■ 3.9571, 2.9743,
8.1859

134.4123,
127.9752, 187.1716

■ 1.6779, 1.1183,
4.1247

167.8213,
160.9444, 230.5582

■ 0.4424, 0.0000,
1.6940

206.3528,

■ 0.0000, 0.0000,

199.1391, 280.1793

0.3566

250.3720,
242.9437, 336.4534

■ 0.0000, 0.0000,
0.0000

■ 31.4163, 28.0577,
49.1073

■ 31.4163, 28.0577,
49.1073

■ 27.2230, 22.4092,
48.2385

■ 36.2077, 34.6745,
50.1324

■ 23.5986, 17.6781,
47.5163

■ 41.6191, 42.3003,
51.3191

■ 20.5157, 13.8138,
46.9329

■ 47.6744, 50.9775,
52.6748

■ 17.9429, 10.7597,
46.4790

■ 54.3956, 60.7451,
54.2059

■ 15.8453, 8.4517,
46.1441

■ 61.8033, 71.6401,
55.9184

■ 14.1829, 6.8156,
45.9159

■ 69.9176, 83.6978,
57.8181

■ 12.9025, 5.7520,
45.7781

■ 75.8842, 91.2053,
58.9528

■ 12.5235, 5.4567,
45.7411

■ 79.0399, 92.8322,
59.1004

■ 82.3729, 94.5504,
59.2564

Harmonies

Analogous

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



27.8314, 28.0577, 55.2871



31.4163, 28.0577, 49.1073



33.8655, 28.0577, 38.3003

Triad

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



31.4163, 28.0577, 49.1073



29.2522, 28.0577, 15.2199



20.2656, 28.0577, 33.9538

Complementary

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



31.4163, 28.0577, 49.1073



36.2124, 43.6080, 29.4314

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.



20.5702, 28.0577, 23.9230



31.4163, 28.0577, 49.1073



25.5375, 28.0577, 14.5743

Square

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



31.4163, 28.0577, 49.1073



32.5383, 28.0577, 19.4078



22.4240, 28.0577, 17.3789



21.5499, 28.0577, 45.3030

Rectangle

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



31.4163, 28.0577, 49.1073



34.4040, 28.0577, 30.7954



22.4240, 28.0577, 17.3789



20.1884, 28.0577, 30.3060

Sweetspot

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



31.4172, 28.0589, 49.1079



73.8955, 74.4799, 92.6859



31.4125, 34.1489, 50.2837



15.6028, 15.5924, 19.9089



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.4172, 28.0589, 49.1079



52.3333, 44.6085, 88.0567



36.6946, 30.7795, 49.3549



8.9111, 8.9206, 11.3316



8.7114, 3.8021, 31.5278



0.3786, 0.1709, 1.1148

Inverse Universe

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



34.8650, 30.0926, 37.6899



59.7925, 49.0108, 63.2444



31.7711, 41.3184, 29.2236



9.1984, 9.0897, 10.3920



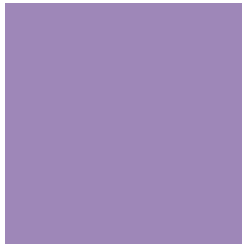
15.1669, 7.6405, 8.7655



0.5657, 0.2817, 0.4722

Previews

White Background



This preview shows how the XYZ color 31.4163, 28.0577, 49.1073 looks on a white background.

Color Contrast Check

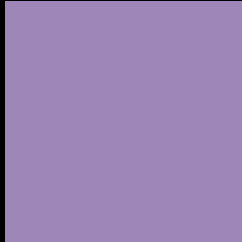
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4163, 28.0577, 49.1073 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 31.4163, 28.0577, 49.1073

Background



This preview shows how black text looks on a background with the XYZ color 31.4163, 28.0577, 49.1073.



This preview shows how white text looks on a background with the XYZ color 31.4163, 28.0577,

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

31.4163, 28.0577, 49.1073

Protanopia

28.6324, 28.2682, 52.6624

Deuteranopia

28.8677, 28.2539, 48.7318



Tritanopia

28.3292, 28.0891, 33.6344

Trichromacy



Original Color

31.4163, 28.0577, 49.1073

Protanomaly

29.4397, 28.0497, 51.4395

Deuteranomaly

29.6339, 27.9951, 48.6415

Tritanomaly

29.4510, 28.1141, 38.9963

Monochromacy



Original Color

31.4163, 28.0577, 49.1073

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.9301, 28.7623, 37.2846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4163, 28.0577, 49.1073 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(158, 135, 184)` looks like.

```
.text, #text, p{  
    color:rgb(158, 135, 184)  
}
```

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(158, 135, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 135, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.4163, 28.0577, 49.1073 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(158, 135, 184) }
```


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

```
.border{ border-color:rgb(158, 135, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 135, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 135, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 135, 184);  
box-shadow:4px 4px 4px 4px rgb(158, 135,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4163, 28.0577, 49.1073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 135, 184) }
```

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

```
.background{ background-color: rgb(158,  
135, 184) }
```

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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