

Converting Colors

XYZ(29.8813, 27.2216, 41.7096)

Have a look what the booklet for
XYZ(29.8813, 27.2216, 41.7096)
contains.

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Color

**XYZ(29.8813, 27.2216,
41.7096)**

Conversions

Conversions Part 1

Format	Color
Hex	9E86AA
RGB	158, 134, 170
RGB Percent	62%, 53%, 67%
CMY	0.3804, 0.4745, 0.3333
CMYK	0.07, 0.21, 0.00, 0.33
HSL	280°, 17%, 60%
HSV	280°, 21%, 67%
XYZ	29.8813, 27.2216, 41.7096
YIQ	145.2800, 2.7480, 16.2840

Conversions

Conversions Part 2

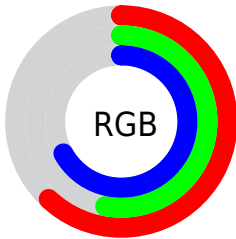
Format	Color
RYB	158, 134, 170
Decimal	10389162
CIELab	59.18, 15.94, -15.63
CIElCh	59, 22.324, 315.549
Yxy	27.2216, 0.3024, 0.2755
Android (android.graphics.Color)	4288579242 (0xFF9E86AA)
YUV	145.2800, 12.1870, 11.1554
Hunter-Lab	52.1743, 10.9255, -10.8760

Details

The XYZ color **29.8813, 27.2216, 41.7096** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **30.5330, 36.5824, 28.0075**, and the grayscale version is **26.9794, 28.3844, 30.9106**.

A 20% lighter version of the original color is **58.8015, 55.1230, 78.7748**, and **12.3842, 10.7128, 18.5546** is the 20% darker color. If you saturate the color by 10%, you get **26.6290, 22.3334, 40.9379**, and if you desaturate by 10%, it is **33.5644, 32.8940, 42.6108**.

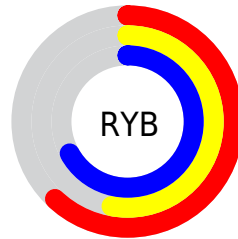
Distribution



Red (62%)

Green (53%)

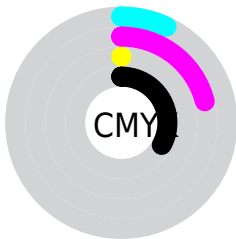
Blue (67%)



Red (62%)

Yellow (53%)

Blue (67%)

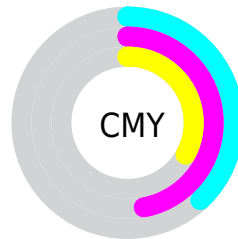


Cyan (7%)

Magenta (21%)

Yellow (0%)

Black (33%)



Cyan (38%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8813, 27.2216, 41.7096 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 29.8813, 27.2216, 41.7096 by changing the saturation by 10% instead.

■ 29.8813, 27.2216,
41.7096

■ 29.8813, 27.2216,
41.7096

293.2705,
288.7285, 369.0418

■ 19.8961, 17.7397,
28.5501

■ 58.8623, 55.2393,
79.0253

■ 12.4274, 10.7633,
18.4981

■ 78.5889, 74.5438,
104.0185

■ 7.1097, 5.9079,
11.1351

■ 102.2933, 97.8914,
133.7934

■ 3.5778, 2.7892,
6.0424

130.3409,
125.6664, 168.7685

■ 1.4661, 1.0227,
2.8017

163.0971,
158.2532, 209.3624

■ 0.3026, 0.0000,
0.9943

200.9272,

■ 0.0000, 0.0000,

196.0363, 255.9935

0.0000

244.1966,
239.3999, 309.0805

■ 29.8813, 27.2216,
41.7096

■ 29.8813, 27.2216,
41.7096

■ 26.6290, 22.3334,
40.9379

■ 33.5644, 32.8940,
42.6108

■ 23.7862, 18.1896,
40.2879

■ 37.6933, 39.3812,
43.6453

■ 21.3337, 14.7521,
39.7537

■ 42.2853, 46.7162,
44.8191

■ 19.2494, 11.9777,
39.3280

■ 47.3559, 54.9292,
46.1371

■ 17.5089, 9.8186,
39.0030

■ 52.9200, 64.0489,
47.6041

16.0843, 8.2205,
38.7696

58.9916, 74.1027,
49.2247

14.9429, 7.1188,
38.6171

65.5845, 85.1167,
51.0031

14.1083, 6.4349,
38.5291

67.7365, 87.1663,
51.2853

69.3117, 87.9784,
51.3590

Harmonies

Analogous

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



27.3334, 27.2216, 46.9768



29.8813, 27.2216, 41.7096



31.4045, 27.2216, 33.6279

Triad

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



29.8813, 27.2216, 41.7096



27.2308, 27.2216, 17.1457



21.0561, 27.2216, 33.9374

Complementary

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



29.8813, 27.2216, 41.7096



30.5330, 36.5824, 28.0075

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.



21.0330, 27.2216, 25.9800



29.8813, 27.2216, 41.7096



24.4662, 27.2216, 17.1986

Square

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



29.8813, 27.2216, 41.7096



29.8015, 27.2216, 19.9965



22.2408, 27.2216, 20.1567



22.3064, 27.2216, 41.9710

Rectangle

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



29.8813, 27.2216, 41.7096



31.5688, 27.2216, 28.1833



22.2408, 27.2216, 20.1567



20.9077, 27.2216, 31.1455

Sweetspot

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



29.8821, 27.2228, 41.7102



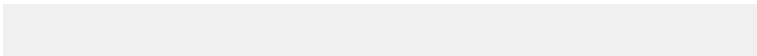
64.5903, 65.4560, 78.2319



27.4600, 28.7151, 42.1259



14.2995, 14.4330, 17.4199



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.8821, 27.2228, 41.7102



51.5985, 45.4267, 75.0506



31.8587, 28.2995, 39.1906



7.5953, 7.5395, 9.4733



10.4390, 4.7649, 28.3450



0.3048, 0.1421, 0.6920

Inverse Universe

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



30.2920, 27.6728, 30.9405



52.5290, 46.4170, 52.0214



28.8967, 35.6943, 29.9476



7.6304, 7.5820, 8.3710



12.7555, 6.5109, 3.5239



0.3340, 0.1679, 0.2101

Previews

White Background



This preview shows how the XYZ color 29.8813, 27.2216, 41.7096 looks on a white background.

Color Contrast Check

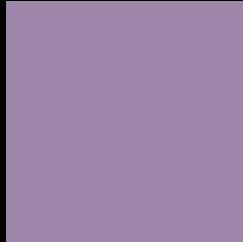
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8813, 27.2216, 41.7096 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 29.8813, 27.2216, 41.7096

Background



This preview shows how black text looks on a background with the XYZ color 29.8813, 27.2216, 41.7096.



This preview shows how white text looks on a background with the XYZ color 29.8813, 27.2216,

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

29.8813, 27.2216, 41.7096

Protanopia

27.2544, 27.2958, 44.3896

Deuteranopia

27.8957, 27.2591, 41.3274



Tritanopia

28.0309, 27.3154, 32.2288

Trichromacy



Original Color

29.8813, 27.2216, 41.7096

Protanomaly

27.9590, 27.0337, 43.2796

Deuteranomaly

28.5015, 27.1455, 41.2735

Tritanomaly

28.7418, 27.3936, 35.6709

Monochromacy



Original Color

29.8813, 27.2216, 41.7096

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.9353, 27.8669, 34.4783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8813, 27.2216, 41.7096 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, 134, 170)` looks like.

```
.text, #text, p{  
    color:rgb(158, 134, 170)  
}
```

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, 134, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 134, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.8813, 27.2216, 41.7096 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, 134, 170) }
```


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

```
.border{ border-color:rgb(158, 134, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 134, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 134, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 134, 170);  
box-shadow:4px 4px 4px 4px rgb(158, 134,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8813, 27.2216, 41.7096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 134, 170) }
```

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

```
.background{ background-color: rgb(158,  
134, 170) }
```

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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