

Converting Colors

XYZ(29.9816, 25.7977, 56.8762)

Have a look what the booklet for
XYZ(29.9816, 25.7977, 56.8762)
contains.

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Color

**XYZ(29.9448, 25.7186,
56.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	9380C6
RGB	147, 128, 198
RGB Percent	58%, 50%, 78%
CMY	0.4235, 0.4980, 0.2235
CMYK	0.26, 0.35, 0.00, 0.22
HSL	256°, 38%, 64%
HSV	256°, 35%, 78%
XYZ	29.9448, 25.7186, 56.8120
YIQ	141.6610, -11.1460, 25.7980

Conversions

Conversions Part 2

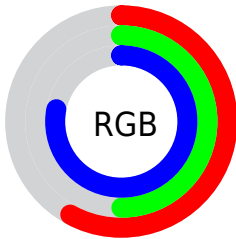
Format	Color
RYB	147, 128, 198
Decimal	9666758
CIELab	57.77, 22.25, -33.82
CIElCh	58, 40.488, 303.342
Yxy	25.7186, 0.2662, 0.2287
Android (android.graphics.Color)	4287856838 (0xFF9380C6)
YUV	141.6610, 27.7751, 4.6823
Hunter-Lab	50.7135, 16.6502, -30.9204

Details

The XYZ color **29.9448, 25.7186, 56.8120** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.6815, 51.5310, 28.1200**, and the grayscale version is **25.4751, 26.8018, 29.1872**.

A 20% lighter version of the original color is **58.9310, 52.8243, 101.6979**, and **12.5493, 10.0385, 27.6618** is the 20% darker color. If you saturate the color by 10%, you get **25.1832, 19.7974, 55.9205**, and if you desaturate by 10%, it is **35.5365, 32.8169, 57.8878**.

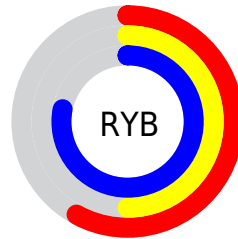
Distribution



Red (58%)

Green (50%)

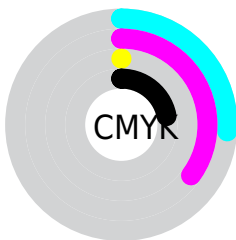
Blue (78%)



Red (58%)

Yellow (50%)

Blue (78%)

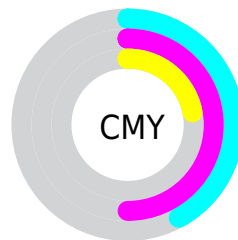


Cyan (26%)

Magenta (35%)

Yellow (0%)

Black (22%)



Cyan (42%)

Magenta (50%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9448, 25.7186, 56.8120 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 29.9448, 25.7186, 56.8120 by changing the saturation by 10% instead.

■ 29.9448, 25.7186,
56.8120

■ 29.9448, 25.7186,
56.8120

293.5615,
281.3980, 430.2185

■ 19.9446, 16.6132,
40.4460

■ 58.9621, 52.8206,
101.6884

■ 12.4628, 9.9591,
27.5700

■ 78.7099, 71.5861,
131.0359

■ 7.1341, 5.3719,
17.7656

■ 102.4375, 94.3404,
165.5476

■ 3.5932, 2.4671,
10.6141

130.5104,
121.4679, 205.6421

■ 1.4747, 0.8601,
5.6971

163.2939,
153.3530, 251.7379

■ 0.3085, 0.0000,
2.5960

201.1533,

■ 0.0000, 0.0000,

190.3801, 304.2535

0.8904

244.4541,
232.9336, 363.6075

■ 0.0000, 0.0000,
0.0000

■ 29.9448, 25.7186,
56.8120

■ 29.9448, 25.7186,
56.8120

■ 25.1832, 19.7974,
55.9205

■ 35.5365, 32.8169,
57.8878

■ 21.2077, 14.9851,
55.2012

■ 41.9941, 41.1493,
59.1558

■ 17.9739, 11.2114,
54.6432

■ 49.3542, 50.7724,
60.6253

■ 15.4318, 8.3961,
54.2338

■ 57.6509, 61.7387,
62.3048

■ 13.5243, 6.4469,
53.9581

■ 66.9160, 74.0977,
64.2019

■ 12.1836, 5.2517,
53.7980

■ 77.1802, 87.8961,
66.3243

■ 11.7007, 4.8544,
53.7468

■ 84.6585, 95.5506,
67.4076

■ 87.1931, 96.8573,
67.5263

Harmonies

Analogous

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



24.9932, 25.7186, 64.0833



29.9448, 25.7186, 56.8120



33.7757, 25.7186, 41.7967

Triad

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



29.9448, 25.7186, 56.8120



28.8781, 25.7186, 10.2577



16.2576, 25.7186, 29.5915

Complementary

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



29.9448, 25.7186, 56.8120



42.6815, 51.5310, 28.1200

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.



17.0132, 25.7186, 17.6369



29.9448, 25.7186, 56.8120



23.9044, 25.7186, 8.8913

Square

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



29.9448, 25.7186, 56.8120



33.1048, 25.7186, 15.7261



19.6631, 25.7186, 11.0768



17.4443, 25.7186, 45.4240

Rectangle

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



29.9448, 25.7186, 56.8120



34.9421, 25.7186, 31.2194



19.6631, 25.7186, 11.0768



16.2935, 25.7186, 25.0158

Sweetspot

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



29.9457, 25.7196, 56.8126



79.6224, 79.7188, 105.7985



35.2829, 41.0412, 59.4887



16.6658, 16.5715, 22.5702



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.



29.9457, 25.7196, 56.8126



46.7488, 37.7120, 99.4230



37.1257, 29.4211, 57.1486



10.3223, 10.4244, 13.3856



7.6803, 3.1936, 34.9560



0.4352, 0.1881, 1.6585

Inverse Universe

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



39.1453, 30.6997, 46.5111



65.5321, 47.8956, 77.6922



35.6511, 47.9067, 27.7910



10.9555, 10.7656, 12.7490



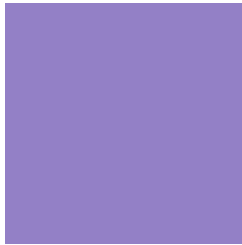
18.4692, 9.1372, 18.2125



0.9037, 0.4443, 1.0160

Previews

White Background



This preview shows how the XYZ color 29.9448, 25.7186, 56.8120 looks on a white background.

Color Contrast Check

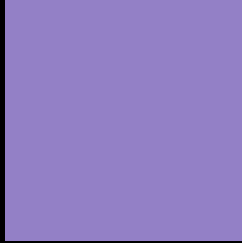
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9448, 25.7186, 56.8120 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 29.9448, 25.7186, 56.8120

Background



This preview shows how black text looks on a background with the XYZ color 29.9448, 25.7186, 56.8120.



This preview shows how white text looks on a background with the XYZ color 29.9448, 25.7186,

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

29.9448, 25.7186, 56.8120

Protanopia

27.1676, 26.0121, 61.3466

Deuteranopia

26.3807, 25.7284, 55.8002



Tritanopia

24.9945, 25.7502, 32.0867

Trichromacy



Original Color

29.9448, 25.7186, 56.8120

Protanomaly

27.9382, 25.8265, 59.3896

Deuteranomaly

27.6564, 25.7485, 56.3356

Tritanomaly

26.4847, 25.5029, 40.0859

Monochromacy



Original Color

29.9448, 25.7186, 56.8120

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.9688, 26.4292, 37.8624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9448, 25.7186, 56.8120 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(147, 128, 198)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 198)  
}
```

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(147, 128, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 198) }
```

Border

The CSS property to change the border of an element to XYZ 29.9448, 25.7186, 56.8120 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(147, 128, 198) }
```


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

```
.border{ border-color:rgb(147, 128, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 128, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 128, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 128, 198);  
box-shadow:4px 4px 4px 4px rgb(147, 128,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9448, 25.7186, 56.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 198) }
```

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

```
.background{ background-color: rgb(147,  
128, 198) }
```

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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