

Converting Colors

XYZ(30.6109, 27.8948, 42.9511)

Have a look what the booklet for
XYZ(30.6109, 27.8948, 42.9511)
contains.

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Color

**XYZ(30.5486, 27.9578,
42.8160)**

Conversions

Conversions Part 1

Format	Color
Hex	9F88AC
RGB	159, 136, 172
RGB Percent	62%, 53%, 67%
CMY	0.3765, 0.4667, 0.3255
CMYK	0.08, 0.21, 0.00, 0.33
HSL	278°, 18%, 60%
HSV	278°, 21%, 67%
XYZ	30.5486, 27.9578, 42.8160
YIQ	146.9810, 2.1520, 16.0720

Conversions

Conversions Part 2

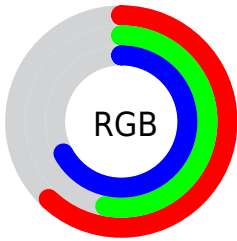
Format	Color
RYB	159, 136, 172
Decimal	10455212
CIELab	59.85, 15.55, -15.75
CIElCh	60, 22.134, 314.642
Yxy	27.9578, 0.3015, 0.2759
Android (android.graphics.Color)	4288645292 (0xFF9F88AC)
YUV	146.9810, 12.3344, 10.5407
Hunter-Lab	52.8751, 10.5969, -10.9979

Details

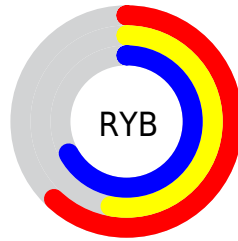
The XYZ color **30.5486, 27.9578, 42.8160** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **31.5919, 37.6729, 28.9004**, and the grayscale version is **27.6760, 29.1174, 31.7088**.

A 20% lighter version of the original color is **59.7943, 56.2374, 80.3764**, and **12.7814, 11.1374, 19.2454** is the 20% darker color. If you saturate the color by 10%, you get **27.1172, 22.8774, 42.0167**, and if you desaturate by 10%, it is **34.4324, 33.8500, 43.7490**.

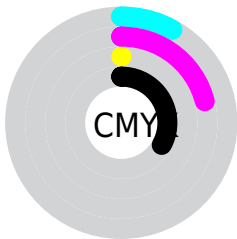
Distribution



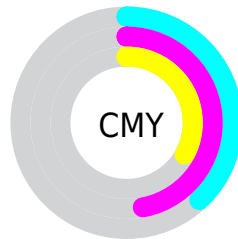
- Red (62%)
- Green (53%)
- Blue (67%)



- Red (62%)
- Yellow (53%)
- Blue (67%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (33%)



- Cyan (38%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5486, 27.9578, 42.8160 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 30.5486, 27.9578, 42.8160 by changing the saturation by 10% instead.

■ 30.5486, 27.9578,
42.8160

■ 30.5486, 27.9578,
42.8160

296.3175,
292.2652, 373.7535

■ 20.4055, 18.2939,
29.4104

■ 59.9094, 56.4171,
80.7165

■ 12.8001, 11.1612,
19.1433

■ 79.8578, 75.9812,
106.0485

■ 7.3671, 6.1753,
11.5960

■ 103.8053, 99.6141,
136.1931

■ 3.7411, 2.9520,
6.3500

132.1173,
127.7003, 171.5688

■ 1.5567, 1.1067,
2.9869

165.1592,
160.6241, 212.5942

■ 0.3640, 0.0000,
1.0879

203.2963,

■ 0.0000, 0.0000,

198.7699, 259.6877

0.0000

246.8939,
242.5222, 313.2679

■ 30.5486, 27.9578,
42.8160

■ 30.5486, 27.9578,
42.8160

■ 27.1172, 22.8774,
42.0167

■ 34.4324, 33.8500,
43.7490

■ 24.1161, 18.5677,
41.3430

■ 38.7841, 40.5853,
44.8197

■ 21.5254, 14.9894,
40.7889

■ 43.6217, 48.1979,
46.0341

■ 19.3221, 12.0982,
40.3469

■ 48.9614, 56.7189,
47.3974

■ 17.4809, 9.8449,
40.0090

■ 54.8186, 66.1779,
48.9145

■ 15.9731, 8.1735,
39.7659

■ 61.2079, 76.6031,
50.5900

■ 14.7649, 7.0178,
39.6065

■ 67.6940, 87.1224,
52.2786

■ 13.8628, 6.2863,
39.5128

■ 69.4140, 88.0091,
52.3591

■ 71.2026, 88.9311,
52.4428

Harmonies

Analogous

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



27.9608, 27.9578, 47.9780



30.5486, 27.9578, 42.8160



32.1244, 27.9578, 34.7210

Triad

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



30.5486, 27.9578, 42.8160



28.0282, 27.9578, 17.8370



21.6860, 27.9578, 34.5180

Complementary

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



30.5486, 27.9578, 42.8160



31.5919, 37.6729, 28.9004

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.



21.7012, 27.9578, 26.5285



30.5486, 27.9578, 42.8160



25.2320, 27.9578, 17.8021

Square

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



30.5486, 27.9578, 42.8160



30.6009, 27.9578, 20.8209



22.9583, 27.9578, 20.7152



22.9151, 27.9578, 42.6450

Rectangle

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



30.5486, 27.9578, 42.8160



32.3234, 27.9578, 29.2074



22.9583, 27.9578, 20.7152



21.5487, 27.9578, 31.7095

Sweetspot

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



30.5495, 27.9590, 42.8166



66.1627, 67.1039, 80.2710



28.3799, 29.7722, 43.2809



14.2725, 14.4191, 17.4186



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.



30.5495, 27.9590, 42.8166



52.5074, 46.3770, 76.9900



32.8118, 29.1776, 40.5593



8.0523, 8.0013, 10.0727



10.3777, 4.7098, 29.4066



0.3457, 0.1604, 0.8207

Inverse Universe

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



31.2432, 28.5501, 32.2991



54.0602, 47.6825, 54.2480



29.6997, 36.6571, 30.6328



8.1203, 8.0614, 8.9443



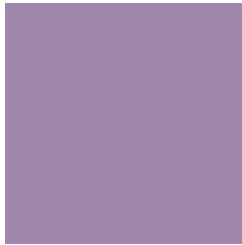
13.3343, 6.7963, 4.1400



0.3976, 0.1997, 0.2556

Previews

White Background



This preview shows how the XYZ color 30.5486, 27.9578, 42.8160 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 30.5486, 27.9578, 42.8160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

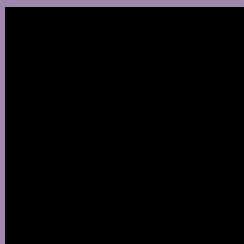
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5486, 27.9578, 42.8160

Background



This preview shows how black text looks on a background with the XYZ color 30.5486, 27.9578, 42.8160.



This preview shows how white text looks on a background with the XYZ color 30.5486, 27.9578,

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

30.5486, 27.9578, 42.8160

Protanopia

28.0748, 28.1376, 45.5464

Deuteranopia

28.5526, 28.0098, 42.4296



Tritanopia

28.6743, 28.0585, 33.1827

Trichromacy



Original Color

30.5486, 27.9578, 42.8160

Protanomaly

28.7930, 27.8711, 44.4195

Deuteranomaly

29.1610, 27.8895, 42.3743

Tritanomaly

29.3953, 28.1365, 36.6825

Monochromacy



Original Color

30.5486, 27.9578, 42.8160

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.5857, 28.6245, 35.4709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5486, 27.9578, 42.8160 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(159, 136, 172)` looks like.

```
.text, #text, p{  
    color:rgb(159, 136, 172)  
}
```

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(159, 136, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 136, 172) }
```

Border

The CSS property to change the border of an element to XYZ 30.5486, 27.9578, 42.8160 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(159, 136, 172) }
```


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

```
.border{ border-color:rgb(159, 136, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 136, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 136, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 136, 172);  
box-shadow:4px 4px 4px 4px rgb(159, 136,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5486, 27.9578, 42.8160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 136, 172) }
```

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

```
.background{ background-color: rgb(159,  
136, 172) }
```

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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