

Converting Colors

XYZ(29.0740, 20.3491, 49.3767)

Have a look what the booklet for
XYZ(29.0740, 20.3491, 49.3767)
contains.

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Color

**XYZ(28.9702, 20.2442,
49.3943)**

Conversions

Conversions Part 1

Format	Color
Hex	A661BB
RGB	166, 97, 187
RGB Percent	65%, 38%, 73%
CMY	0.3490, 0.6196, 0.2667
CMYK	0.11, 0.48, 0.00, 0.27
HSL	286°, 40%, 56%
HSV	286°, 48%, 73%
XYZ	28.9702, 20.2442, 49.3943
YIQ	127.8910, 12.2340, 42.6180

Conversions

Conversions Part 2

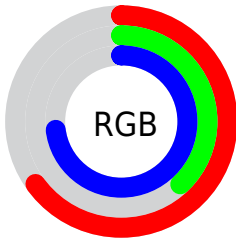
Format	Color
R _Y B	166, 97, 187
Decimal	10903995
CIE Lab	52.11, 42.90, -36.24
CIE LCh	52, 56.162, 319.814
Yxy	20.2442, 0.2938, 0.2053
Android (android.graphics.Color)	4289094075 (0xFFA661BB)
YUV	127.8910, 29.1407, 33.4216
Hunter-Lab	44.9936, 36.1929, -33.5936

Details

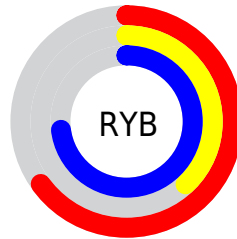
The XYZ color **28.9702, 20.2442, 49.3943** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **27.3998, 40.2557, 17.6361**, and the grayscale version is **20.3800, 21.4413, 23.3496**.

A 20% lighter version of the original color is **57.6669, 44.0323, 91.0477**, and **11.9322, 7.1712, 22.9456** is the 20% darker color. If you saturate the color by 10%, you get **26.5426, 16.7234, 48.8430**, and if you desaturate by 10%, it is **31.8375, 24.5972, 50.0837**.

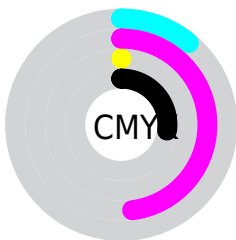
Distribution



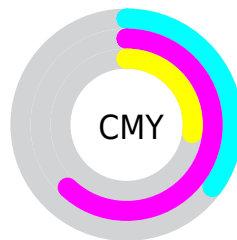
- Red (65%)
- Green (38%)
- Blue (73%)



- Red (65%)
- Yellow (38%)
- Blue (73%)



- Cyan (11%)
- Magenta (48%)
- Yellow (0%)
- Black (27%)



- Cyan (35%)
- Magenta (62%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9702, 20.2442, 49.3943 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 28.9702, 20.2442, 49.3943 by changing the saturation by 10% instead.

■ 28.9702, 20.2442,
49.3943

■ 28.9702, 20.2442,
49.3943

289.0711,
253.2341, 400.9595

■ 19.2024, 12.5727,
34.5646

■ 57.4276, 43.8262,
90.6638

■ 11.9215, 7.1350,
23.0468

■ 76.8480, 60.5055,
117.9407

■ 6.7621, 3.5466,
14.4224

■ 100.2166, 80.9562,
150.2037

■ 3.3588, 1.4233,
8.2730

■ 127.8989,
105.5626, 187.8714

■ 1.3462, 0.2338,
4.1798

160.2601,
134.7093, 231.3623

■ 0.2174, 0.0000,
1.7245

197.6656,

■ 0.0000, 0.0000,

168.7804, 281.0949

0.3774

240.4808,
208.1606, 337.4878

■ 0.0000, 0.0000,
0.0000

■ 28.9702, 20.2442,
49.3943

■ 28.9702, 20.2442,
49.3943

■ 26.5426, 16.7234,
48.8430

■ 31.8375, 24.5972,
50.0837

■ 24.5232, 13.9740,
48.4187

■ 35.1689, 29.8323,
50.9186

■ 22.8795, 11.9308,
48.1110

■ 38.9894, 35.9988,
51.9075

■ 21.5727, 10.5167,
47.9069

■ 43.3216, 43.1413,
53.0578

■ 20.5417, 9.6099,
47.7862

■ 48.1866, 51.3016,
54.3765

■ 20.3612, 9.4604,
47.7669

■ 53.6043, 60.5189,
55.8701

■ 59.5934, 70.8306,
57.5448

■ 66.1720, 82.2720,
59.4064

■ 69.9813, 88.1256,
60.3355

Harmonies

Analogous

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



23.2324, 20.2442, 67.1890



28.9702, 20.2442, 49.3943



32.2846, 20.2442, 28.1217

Triad

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



28.9702, 20.2442, 49.3943



21.2612, 20.2442, 3.2687



10.6103, 20.2442, 34.5936

Complementary

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



28.9702, 20.2442, 49.3943



27.3998, 40.2557, 17.6361

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.



10.2910, 20.2442, 16.9093



28.9702, 20.2442, 49.3943



15.7360, 20.2442, 3.6688

Square

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



28.9702, 20.2442, 49.3943



27.2826, 20.2442, 5.6346



11.9784, 20.2442, 7.2855



12.9595, 20.2442, 56.1037

Rectangle

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



28.9702, 20.2442, 49.3943



32.3022, 20.2442, 17.0797



11.9784, 20.2442, 7.2855



10.2828, 20.2442, 27.8840

Sweetspot

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



28.9709, 20.2451, 49.3947



72.7446, 69.2506, 93.7340



20.3786, 19.0869, 49.6241



15.6586, 14.6576, 20.5465



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.9709, 20.2451, 49.3947



47.2176, 29.5020, 87.4072



31.3796, 21.7593, 37.1970



9.7064, 9.5810, 12.0099



14.0949, 6.5523, 32.9147



0.6061, 0.2845, 1.2918

Inverse Universe

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



28.0388, 20.4229, 19.6044



45.7702, 30.1102, 26.1476



26.1519, 39.4630, 24.3288



9.6189, 9.5719, 10.3824



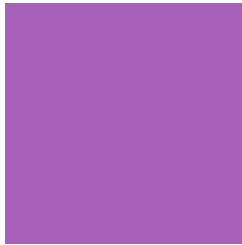
14.4524, 7.4121, 2.4101



0.5922, 0.3008, 0.2319

Previews

White Background



This preview shows how the XYZ color 28.9702, 20.2442, 49.3943 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 28.9702, 20.2442, 49.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

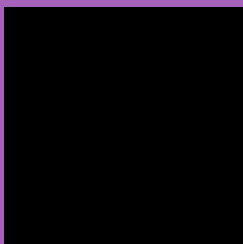
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9702, 20.2442, 49.3943

Background



This preview shows how black text looks on a background with the XYZ color 28.9702, 20.2442, 49.3943.



This preview shows how white text looks on a background with the XYZ color 28.9702, 20.2442,

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

28.9702, 20.2442, 49.3943

Protanopia

22.4927, 20.5972, 63.1118

Deuteranopia

21.0180, 20.5594, 47.1166



Tritanopia

23.2609, 20.3588, 20.7928

Trichromacy



Original Color

28.9702, 20.2442, 49.3943

Protanomaly

23.6502, 19.7403, 57.8221

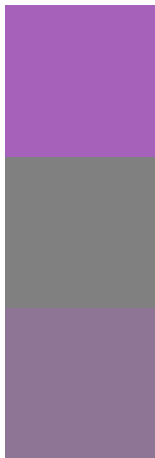
Deuteranomaly

23.1265, 19.8553, 47.9610

Tritanomaly

24.8657, 20.0333, 29.3443

Monochromacy



Original Color

28.9702, 20.2442, 49.3943

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.9414, 20.6433, 31.2092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9702, 20.2442, 49.3943 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(166, 97, 187)` looks like.

```
.text, #text, p{  
    color:rgb(166, 97, 187)  
}
```

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(166, 97, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 97, 187) }
```

Border

The CSS property to change the border of an element to XYZ 28.9702, 20.2442, 49.3943 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(166, 97, 187) }
```


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

```
.border{ border-color:rgb(166, 97, 187) }
```

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

Here you see how a box with a 4 pixel rgb(166, 97, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 97, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 97, 187);  
box-shadow:4px 4px 4px 4px rgb(166, 97,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9702, 20.2442, 49.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 97, 187) }
```

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

```
.background{ background-color: rgb(166, 97,  
187) }
```

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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