

Converting Colors

XYZ(29.7867, 28.3787, 40.2035)

Have a look what the booklet for
XYZ(29.7867, 28.3787, 40.2035)
contains.

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Color

**XYZ(29.7786, 28.4779,
40.0037)**

Conversions

Conversions Part 1

Format	Color
Hex	9B8CA6
RGB	155, 140, 166
RGB Percent	61%, 55%, 65%
CMY	0.3922, 0.4510, 0.3490
CMYK	0.07, 0.16, 0.00, 0.35
HSL	275°, 13%, 60%
HSV	275°, 16%, 65%
XYZ	29.7786, 28.4779, 40.0037
YIQ	147.4490, 0.5940, 11.2660

Conversions

Conversions Part 2

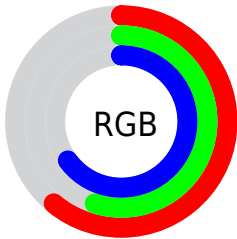
Format	Color
R _Y B	155, 140, 166
Decimal	10194086
CIE Lab	60.32, 10.64, -11.66
CIE LCh	60, 15.783, 312.367
Yxy	28.4779, 0.3031, 0.2898
Android (android.graphics.Color)	4288384166 (0xFF9B8CA6)
YUV	147.4490, 9.1456, 6.6222
Hunter-Lab	53.3647, 6.2185, -7.0902

Details

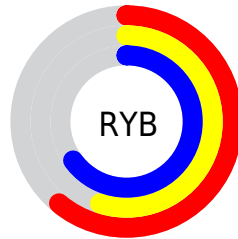
The XYZ color **29.7786, 28.4779, 40.0037** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **31.1334, 35.7459, 30.0711**, and the grayscale version is **27.8829, 29.3350, 31.9458**.

A 20% lighter version of the original color is **58.9213, 57.5057, 76.4008**, and **12.4023, 11.4703, 17.4799** is the 20% darker color. If you saturate the color by 10%, you get **26.2249, 23.3133, 39.1946**, and if you desaturate by 10%, it is **33.7784, 34.4172, 40.9397**.

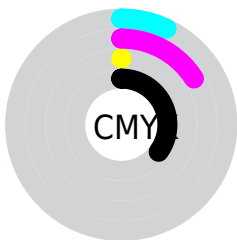
Distribution



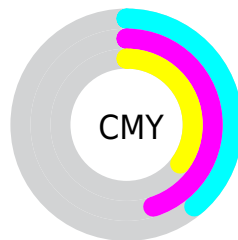
- Red (61%)
- Green (55%)
- Blue (65%)



- Red (61%)
- Yellow (55%)
- Blue (65%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (35%)



- Cyan (39%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7786, 28.4779, 40.0037 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 29.7786, 28.4779, 40.0037 by changing the saturation by 10% instead.

■ 29.7786, 28.4779,
40.0037

■ 29.7786, 28.4779,
40.0037

292.7995,
294.7435, 361.6917

■ 19.8178, 18.6862,
27.2276

■ 58.7009, 57.2465,
76.4063

■ 12.3702, 11.4438,
17.5103

■ 78.3932, 76.9923,
100.8699

■ 7.0703, 6.3662,
10.4332

■ 102.0600,
100.8248, 130.0664

■ 3.5528, 3.0690,
5.5778

130.0666,
129.1286, 164.4144

■ 1.4524, 1.1679,
2.5255

162.7786,
162.2879, 204.3324

■ 0.2931, 0.0352,
0.8536

200.5611,

■ 0.0000, 0.0000,

200.6873, 250.2389

0.0000

243.7796,
244.7110, 302.5525

■ 29.7786, 28.4779,
40.0037

■ 29.7786, 28.4779,
40.0037

■ 26.2249, 23.3133,
39.1946

■ 33.7784, 34.4172,
40.9397

■ 23.0970, 18.8864,
38.5049

■ 38.2383, 41.1589,
42.0059

■ 20.3768, 15.1625,
37.9295

■ 43.1748, 48.7337,
43.2078

■ 18.0440, 12.1029,
37.4619

■ 48.6029, 57.1696,
44.5500

■ 16.0759, 9.6645,
37.0950

■ 54.5367, 66.4932,
46.0369

■ 14.4475, 7.7995,
36.8208

■ 60.9900, 76.7301,
47.6727

■ 13.1301, 6.4525,
36.6303

■ 67.5904, 87.1341,
49.3330

■ 12.0864, 5.5517,
36.5114

■ 69.5614, 88.1501,
49.4253

■ 11.6823, 5.2273,
36.4701

■ 71.6203, 89.2115,
49.5216

Harmonies

Analogous

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



27.9104, 28.4779, 43.2334



29.7786, 28.4779, 40.0037



30.9527, 28.4779, 34.5118

Triad

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



29.7786, 28.4779, 40.0037



28.2648, 28.4779, 21.5432



23.4374, 28.4779, 33.4592

Complementary

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



29.7786, 28.4779, 40.0037



31.1334, 35.7459, 30.0711

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.



23.5216, 28.4779, 27.7490



29.7786, 28.4779, 40.0037



26.2415, 28.4779, 21.3357

Square

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



29.7786, 28.4779, 40.0037



30.0492, 28.4779, 24.0800



24.5259, 28.4779, 23.4727



24.2897, 28.4779, 39.1507

Rectangle

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



29.7786, 28.4779, 40.0037



31.1497, 28.4779, 30.5491



24.5259, 28.4779, 23.4727



23.3583, 28.4779, 31.4707

Sweetspot

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



29.7795, 28.4791, 40.0043



61.7410, 63.1188, 74.4043



28.8088, 30.5489, 40.4550



13.7001, 13.9503, 16.6227



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.7795, 28.4791, 40.0043



51.5722, 48.0648, 72.0346



31.8297, 29.5543, 39.2758



7.5306, 7.5061, 9.4703



9.1131, 4.0814, 28.2830



0.2783, 0.1284, 0.6908

Inverse Universe

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



30.6909, 29.0988, 33.2785



53.6064, 49.4447, 57.1658



29.3149, 34.7936, 30.6584



7.6579, 7.5930, 8.5156



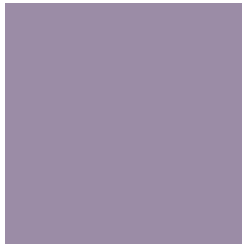
13.0801, 6.6407, 5.2333



0.3440, 0.1719, 0.2629

Previews

White Background



This preview shows how the XYZ color 29.7786, 28.4779, 40.0037 looks on a white background.

Color Contrast Check

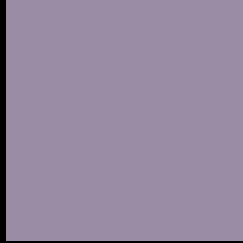
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7786, 28.4779, 40.0037 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 29.7786, 28.4779, 40.0037

Background



This preview shows how black text looks on a background with the XYZ color 29.7786, 28.4779, 40.0037.



This preview shows how white text looks on a background with the XYZ color 29.7786, 28.4779,

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

29.7786, 28.4779, 40.0037

Protanopia

28.1192, 28.4738, 41.5501

Deuteranopia

29.1336, 28.5832, 40.0580



Tritanopia

28.5596, 28.4182, 34.1170

Trichromacy



Original Color

29.7786, 28.4779, 40.0037

Protanomaly

28.7444, 28.5831, 41.0479

Deuteranomaly

29.3567, 28.4783, 40.0260

Tritanomaly

29.0229, 28.3884, 36.2976

Monochromacy



Original Color

29.7786, 28.4779, 40.0037

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3837, 28.7636, 34.6278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7786, 28.4779, 40.0037 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(155, 140, 166)` looks like.

```
.text, #text, p{  
    color:rgb(155, 140, 166)  
}
```

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(155, 140, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 140, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.7786, 28.4779, 40.0037 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(155, 140, 166) }
```


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

```
.border{ border-color:rgb(155, 140, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 140, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 140, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 140, 166);  
box-shadow:4px 4px 4px 4px rgb(155, 140,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7786, 28.4779, 40.0037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 140, 166) }
```

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

```
.background{ background-color: rgb(155,  
140, 166) }
```

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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