

Converting Colors

XYZ(29.7830, 27.1013, 35.6544)

Have a look what the booklet for
XYZ(29.7830, 27.1013, 35.6544)
contains.

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Color

**XYZ(29.7832, 27.1019,
35.5597)**

Conversions

Conversions Part 1

Format	Color
Hex	A4859D
RGB	164, 133, 157
RGB Percent	64%, 52%, 62%
CMY	0.3569, 0.4784, 0.3843
CMYK	0.00, 0.19, 0.04, 0.36
HSL	314°, 15%, 58%
HSV	314°, 19%, 64%
XYZ	29.7832, 27.1019, 35.5597
YIQ	145.0050, 10.7720, 14.0360

Conversions

Conversions Part 2

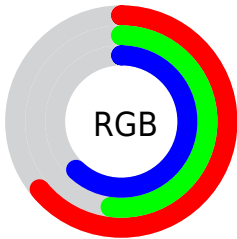
Format	Color
RYB	164, 133, 157
Decimal	10782109
CIELab	59.07, 16.04, -8.30
CIELCh	59, 18.060, 332.634
Yxy	27.1019, 0.3222, 0.2932
Android (android.graphics.Color)	4288972189 (0xFFA4859D)
YUV	145.0050, 5.9135, 16.6586
Hunter-Lab	52.0595, 11.0156, -4.0569

Details

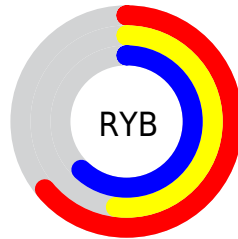
The XYZ color **29.7832, 27.1019, 35.5597** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **27.6831, 33.4318, 29.8065**, and the grayscale version is **26.8900, 28.2904, 30.8082**.

A 20% lighter version of the original color is **58.6560, 54.9313, 69.7987**, and **12.3769, 10.6719, 15.0432** is the 20% darker color. If you saturate the color by 10%, you get **27.3996, 22.8328, 33.2288**, and if you desaturate by 10%, it is **32.5285, 32.0784, 38.0591**.

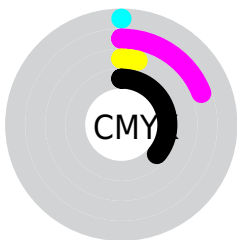
Distribution



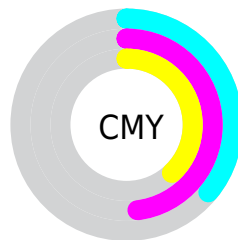
- Red (64%)
- Green (52%)
- Blue (62%)



- Red (64%)
- Yellow (52%)
- Blue (62%)



- Cyan (0%)
- Magenta (19%)
- Yellow (4%)
- Black (36%)



- Cyan (36%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7832, 27.1019, 35.5597 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 29.7832, 27.1019, 35.5597 by changing the saturation by 10% instead.

■ 29.7832, 27.1019,
35.5597

■ 29.7832, 27.1019,
35.5597

292.8206,
288.1502, 342.0110

■ 19.8213, 17.6498,
23.8073

■ 58.7081, 55.0473,
69.5133

■ 12.3728, 10.6988,
14.9799

■ 78.4019, 74.3094,
92.5516

■ 7.0721, 5.8647,
8.6588

■ 102.0704, 97.6103,
120.1890

■ 3.5539, 2.7630,
4.4256

130.0789,
125.3344, 152.8440

■ 1.4530, 1.0093,
1.8616

162.7929,
157.8660, 190.9352

■ 0.2935, 0.0000,
0.4681

200.5775,

■ 0.0000, 0.0000,

195.5896, 234.8810

0.0000

243.7983,
238.8895, 285.1001

■ 29.7832, 27.1019,
35.5597

■ 29.7832, 27.1019,
35.5597

■ 27.3996, 22.8328,
33.2288

■ 32.5285, 32.0784,
38.0591

■ 25.3591, 19.2350,
31.0589

■ 35.6485, 37.7890,
40.7307

■ 23.6449, 16.2747,
29.0442

■ 39.1582, 44.2636,
43.5804

■ 22.2377, 13.9137,
27.1779

■ 43.0713, 51.5291,
46.6130

■ 21.1165, 12.1095,
25.4526

■ 47.4006, 59.6114,
49.8334

■ 20.2571, 10.8145,
23.8597

■ 52.1586, 68.5349,
53.2458

■ 19.6315, 9.9726,
22.3894

■ 57.3571, 78.3232,
56.8548

■ 19.1846, 9.4738,
21.0231

■ 60.0002, 82.9847,
59.6620

■ 19.1385, 9.4240,
20.8766

■ 60.4010, 83.1450,
61.7722

Harmonies

Analogous

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



28.1563, 27.1019, 41.1826



29.7832, 27.1019, 35.5597



30.3130, 27.1019, 28.9452

Triad

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



29.7832, 27.1019, 35.5597



25.5618, 27.1019, 18.8095



22.2952, 27.1019, 36.6849

Complementary

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



29.7832, 27.1019, 35.5597



27.6831, 33.4318, 29.8065

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.



21.6865, 27.1019, 30.0808



29.7832, 27.1019, 35.5597



23.5028, 27.1019, 20.2810

Square

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



29.7832, 27.1019, 35.5597



27.7936, 27.1019, 19.8421



22.1156, 27.1019, 24.1875



23.8273, 27.1019, 41.8957

Rectangle

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



29.7832, 27.1019, 35.5597



29.9493, 27.1019, 25.0060



22.1156, 27.1019, 24.1875



21.9800, 27.1019, 34.5233

Sweetspot

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



29.7840, 27.1031, 35.5603



60.5531, 60.9801, 70.4026



25.8571, 25.0076, 38.5866



13.1654, 13.1987, 15.3282



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.7840, 27.1031, 35.5603



52.0215, 45.5280, 62.5921



28.5646, 26.6153, 29.1389



7.2956, 7.1747, 8.5428



14.6928, 7.2332, 16.1046



0.3247, 0.1584, 0.4225

Inverse Universe

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



29.7840, 27.1031, 35.5603



52.0215, 45.5280, 62.5921



28.8839, 33.9121, 36.1300



7.2956, 7.1747, 8.5428



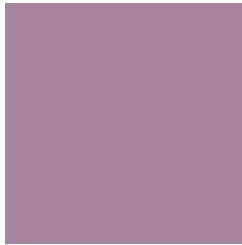
14.6928, 7.2332, 16.1046



0.3247, 0.1584, 0.4225

Previews

White Background



This preview shows how the XYZ color 29.7832, 27.1019, 35.5597 looks on a white background.

Color Contrast Check

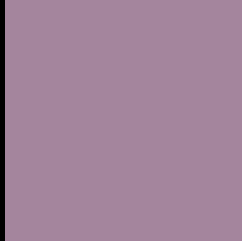
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7832, 27.1019, 35.5597 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 29.7832, 27.1019, 35.5597

Background



This preview shows how black text looks on a background with the XYZ color 29.7832, 27.1019, 35.5597.



This preview shows how white text looks on a background with the XYZ color 29.7832, 27.1019,

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

29.7832, 27.1019, 35.5597

Protanopia

26.6939, 27.1474, 38.0155

Deuteranopia

27.6669, 27.0613, 35.2176



Tritanopia

28.6751, 27.0537, 30.4986

Trichromacy



Original Color

29.7832, 27.1019, 35.5597

Protanomaly

27.6464, 27.0109, 37.0142

Deuteranomaly

28.3225, 26.9772, 35.1669

Tritanomaly

29.0542, 27.0067, 32.1153

Monochromacy



Original Color

29.7832, 27.1019, 35.5597

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.8986, 27.8951, 32.3476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7832, 27.1019, 35.5597 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(164, 133, 157)` looks like.

```
.text, #text, p{  
    color:rgb(164, 133, 157)  
}
```

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(164, 133, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 133, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.7832, 27.1019, 35.5597 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(164, 133, 157) }
```


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

```
.border{ border-color:rgb(164, 133, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 133, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 133, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 133, 157);  
box-shadow:4px 4px 4px 4px rgb(164, 133,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7832, 27.1019, 35.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 133, 157) }
```

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

```
.background{ background-color: rgb(164,  
133, 157) }
```

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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