

Converting Colors

XYZ(29.9461, 27.7331, 29.7723)

Have a look what the booklet for
XYZ(29.9461, 27.7331, 29.7723)
contains.

XYZ(29.9841, 27.7461, 29.7618)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9841, 27.7461,
29.7618)**

Conversions

Conversions Part 1

Format	Color
Hex	A9878F
RGB	169, 135, 143
RGB Percent	66%, 53%, 56%
CMY	0.3373, 0.4706, 0.4392
CMYK	0.00, 0.20, 0.15, 0.34
HSL	346°, 17%, 60%
HSV	346°, 20%, 66%
XYZ	29.9841, 27.7461, 29.7618
YIQ	146.0780, 17.6960, 9.6960

Conversions

Conversions Part 2

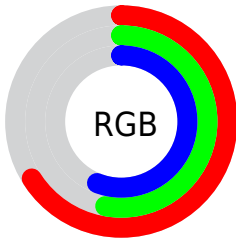
Format	Color
R_{YB}	169, 135, 143
Decimal	11110287
CIE _{Lab}	59.66, 14.26, 0.65
CIE _{LCh}	60, 14.272, 2.608
Yxy	27.7461, 0.3427, 0.3171
Android (android.graphics.Color)	4289300367 (0xFFA9878F)
YUV	146.0780, -1.5175, 20.1026
Hunter-Lab	52.6746, 9.4276, 3.3726

Details

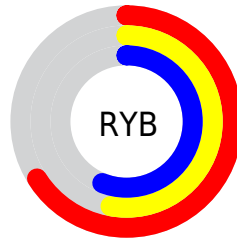
The XYZ color **29.9841, 27.7461, 29.7618** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.6138, 36.1008, 39.0746**, and the grayscale version is **27.3551, 28.7797, 31.3411**.

A 20% lighter version of the original color is **59.1126, 56.0052, 60.5178**, and **12.4267, 11.0003, 11.8242** is the 20% darker color. If you saturate the color by 10%, you get **26.8874, 23.0302, 24.1741**, and if you desaturate by 10%, it is **33.5695, 33.2582, 36.0697**.

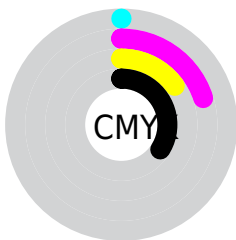
Distribution



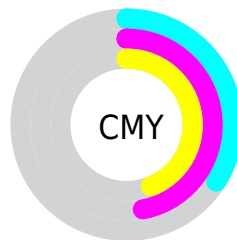
- Red (66%)
- Green (53%)
- Blue (56%)



- Red (66%)
- Yellow (53%)
- Blue (56%)



- Cyan (0%)
- Magenta (20%)
- Yellow (15%)
- Black (34%)




- Cyan (34%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9841, 27.7461, 29.7618 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 29.9841, 27.7461, 29.7618 by changing the saturation by 10% instead.


 29.9841, 27.7461,
29.7618


 29.9841, 27.7461,
29.7618

293.7415,
291.2517, 314.9652

 19.9745, 18.1344,
19.4073


 59.0238, 56.0788,
60.3418

 12.4847, 11.0465,
11.7852


 78.7847, 75.5686,
81.4045

 7.1492, 6.0981,
6.4768


 102.5267, 99.1198,
106.8736

 3.6028, 2.9048,
3.0637

130.6153,
127.1169, 137.1677

 1.4799, 1.0823,
1.1272

163.4156,
159.9442, 172.7054

 0.3121, 0.0000,
0.0000

201.2932,

 0.0000, 0.0000,

197.9862, 213.9052

0.0000

244.6134,
241.6272, 261.1856

■ 29.9841, 27.7461,
29.7618

■ 29.9841, 27.7461,
29.7618

■ 26.8874, 23.0302,
24.1741

■ 33.5695, 33.2582,
36.0697

■ 24.2557, 19.0700,
19.2788

■ 37.6613, 39.5972,
43.1206

■ 22.0665, 15.8271,
15.0491

■ 42.2793, 46.7965,
50.9385

■ 20.2950, 13.2581,
11.4554

■ 47.4414, 54.8869,
59.5458

■ 18.9133, 11.3151,
8.4661

■ 53.1647, 63.8973,
68.9639

■ 17.8904, 9.9435,
6.0464

■ 59.4655, 73.8556,
79.2135

■ 17.1900, 9.0796,
4.1580

■ 66.3596, 84.7884,
90.3145

■ 16.7412, 8.5866,
2.7606

■ 68.8182, 86.6334,
100.6047

■ 70.1724, 87.1751,
107.7357

Harmonies

Analogous

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



29.5671, 27.7461, 35.0064



29.9841, 27.7461, 29.7618



29.3974, 27.7461, 25.1760

Triad

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



29.9841, 27.7461, 29.7618



24.5496, 27.7461, 22.6039



24.8107, 27.7461, 39.8981

Complementary

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



29.9841, 27.7461, 29.7618



30.6138, 36.1008, 39.0746

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.



23.5614, 27.7461, 35.8758



29.9841, 27.7461, 29.7618



23.4155, 27.7461, 25.8744

Square

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



29.9841, 27.7461, 29.7618



26.2146, 27.7461, 21.3482



23.0620, 27.7461, 30.6643



26.5297, 27.7461, 41.2388

Rectangle

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



29.9841, 27.7461, 29.7618



28.5308, 27.7461, 22.9974



23.0620, 27.7461, 30.6643



24.3246, 27.7461, 38.7939

Sweetspot

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



29.9849, 27.7474, 29.7624



62.9473, 63.9329, 69.4982



30.4237, 27.7190, 41.2833



13.6233, 13.7853, 14.9810



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.



29.9849, 27.7474, 29.7624



51.2033, 45.8792, 48.8304



30.6340, 29.9808, 27.0954



7.6007, 7.5702, 8.2147



12.4949, 6.4067, 2.1519



0.3230, 0.1635, 0.1523

Inverse Universe

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



29.9849, 27.7474, 29.7624



51.2033, 45.8792, 48.8304



29.8118, 33.3317, 42.3989



7.6007, 7.5702, 8.2147



12.4949, 6.4067, 2.1519



0.3230, 0.1635, 0.1523

Previews

White Background



This preview shows how the XYZ color 29.9841, 27.7461, 29.7618 looks on a white background.

Color Contrast Check

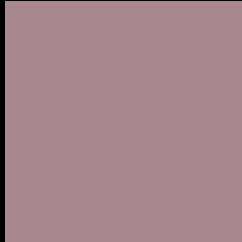
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9841, 27.7461, 29.7618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

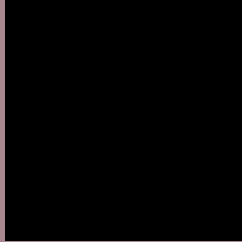
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9841, 27.7461, 29.7618

Background



This preview shows how black text looks on a background with the XYZ color 29.9841, 27.7461, 29.7618.



This preview shows how white text looks on a background with the XYZ color 29.9841, 27.7461,

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

29.9841, 27.7461, 29.7618

Protanopia

26.8448, 27.8028, 31.9686

Deuteranopia

28.2157, 27.6873, 29.4482



Tritanopia

30.1370, 27.8073, 30.5670

Trichromacy



Original Color

29.9841, 27.7461, 29.7618

Protanomaly

27.8928, 27.7015, 31.0709

Deuteranomaly

28.8713, 27.8113, 29.4376

Tritanomaly

30.0602, 27.7766, 30.1626

Monochromacy



Original Color

29.9841, 27.7461, 29.7618

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.1103, 28.2604, 30.7613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9841, 27.7461, 29.7618 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(169, 135, 143)` looks like.

```
.text, #text, p{  
    color:rgb(169, 135, 143)  
}
```

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(169, 135, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 135, 143) }
```

Border

The CSS property to change the border of an element to XYZ 29.9841, 27.7461, 29.7618 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(169, 135, 143) }
```


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

```
.border{ border-color:rgb(169, 135, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 135, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 135, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 135, 143);  
box-shadow:4px 4px 4px 4px rgb(169, 135,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9841, 27.7461, 29.7618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 135, 143) }
```

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

```
.background{ background-color: rgb(169,  
135, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor