

Converting Colors

XYZ(29.7117, 28.0847, 41.7444)

Have a look what the booklet for
XYZ(29.7117, 28.0847, 41.7444)
contains.

XYZ(29.8147, 28.2375, 41.9092)	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(29.8147, 28.2375,
41.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	9A8BAA
RGB	154, 139, 170
RGB Percent	60%, 55%, 67%
CMY	0.3961, 0.4549, 0.3333
CMYK	0.09, 0.18, 0.00, 0.33
HSL	269°, 15%, 61%
HSV	269°, 18%, 67%
XYZ	29.8147, 28.2375, 41.9092
YIQ	147.0190, -1.0110, 12.8210

Conversions

Conversions Part 2

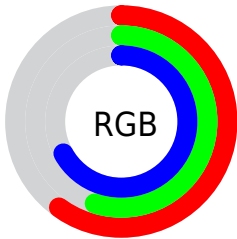
Format	Color
RYB	154, 139, 170
Decimal	10128298
CIELab	60.10, 11.70, -14.27
CIElCh	60, 18.455, 309.348
Yxy	28.2375, 0.2983, 0.2825
Android (android.graphics.Color)	4288318378 (0xFF9A8BAA)
YUV	147.0190, 11.3296, 6.1223
Hunter-Lab	53.1390, 7.1579, -9.5631

Details

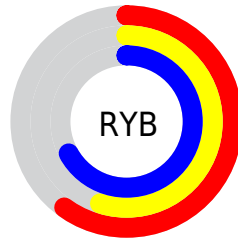
The XYZ color **29.8147, 28.2375, 41.9092** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **32.5535, 37.5828, 29.9659**, and the grayscale version is **27.6966, 29.1390, 31.7324**.

A 20% lighter version of the original color is **58.9551, 57.1315, 79.1544**, and **12.4359, 11.3363, 18.6722** is the 20% darker color. If you saturate the color by 10%, you get **25.9327, 22.8625, 41.0768**, and if you desaturate by 10%, it is **34.2033, 34.4433, 42.8762**.

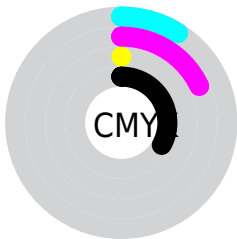
Distribution



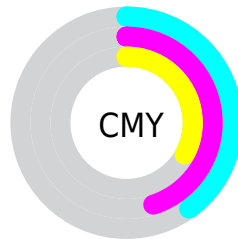
- Red (60%)
- Green (55%)
- Blue (67%)



- Red (60%)
- Yellow (55%)
- Blue (67%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8147, 28.2375, 41.9092 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 29.8147, 28.2375, 41.9092 by changing the saturation by 10% instead.

■ 29.8147, 28.2375,
41.9092

■ 29.8147, 28.2375,
41.9092

292.9651,
293.6000, 369.8950

■ 19.8454, 18.5048,
28.7052

■ 58.7577, 56.8634,
79.3308

■ 12.3903, 11.3130,
18.6142

■ 78.4620, 76.5254,
104.3854

■ 7.0842, 6.2778,
11.2179

■ 102.1420,
100.2658, 134.2273

■ 3.5616, 3.0147,
6.0976

130.1631,
128.4693, 169.2751

■ 1.4572, 1.1394,
2.8348

162.8906,
161.5200, 209.9471

■ 0.2965, 0.0114,
1.0109

200.6899,

■ 0.0000, 0.0000,

199.8024, 256.6621

0.0000

243.9262,
243.7010, 309.8385

■ 29.8147, 28.2375,
41.9092

■ 29.8147, 28.2375,
41.9092

■ 25.9327, 22.8625,
41.0768

■ 34.2033, 34.4433,
42.8762

■ 22.5346, 18.2783,
40.3710

■ 39.1149, 41.5107,
43.9815

■ 19.5993, 14.4465,
39.7861

■ 44.5683, 49.4732,
45.2309

■ 17.1036, 11.3242,
39.3150

■ 50.5807, 58.3614,
46.6297

■ 15.0214, 8.8641,
38.9499

■ 57.1683, 68.2045,
48.1824

■ 13.3239, 7.0127,
38.6820

■ 64.3466, 79.0303,
49.8936

■ 11.9776, 5.7079,
38.5011

■ 71.1650, 88.9337,
51.4458

■ 10.9269, 4.8432,
38.3896

■ 73.8181, 90.3015,
51.5700

■ 10.7575, 4.7075,
38.3723

■ 76.6116, 91.7416,
51.7007

Harmonies

Analogous

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



27.5814, 28.2375, 45.4059



29.8147, 28.2375, 41.9092



31.3049, 28.2375, 35.5523

Triad

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



29.8147, 28.2375, 41.9092



28.4685, 28.2375, 20.1337



22.6126, 28.2375, 32.9016

Complementary

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



29.8147, 28.2375, 41.9092



32.5535, 37.5828, 29.9659

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.



22.8193, 28.2375, 26.3934



29.8147, 28.2375, 41.9092



26.1098, 28.2375, 19.6390

Square

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



29.8147, 28.2375, 41.9092



30.4966, 28.2375, 23.2320



24.0680, 28.2375, 21.7649



23.4860, 28.2375, 39.7268

Rectangle

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



29.8147, 28.2375, 41.9092



31.6282, 28.2375, 30.8937



24.0680, 28.2375, 21.7649



22.5593, 28.2375, 30.5984

Sweetspot

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



29.8156, 28.2387, 41.9098



64.7545, 66.3519, 78.3962



29.6283, 31.8405, 42.6149



14.3081, 14.6069, 17.4530



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.



29.8156, 28.2387, 41.9098



51.0530, 46.9937, 75.3818



32.9552, 29.8572, 42.0568



7.4643, 7.4720, 9.4672



7.9772, 3.4958, 28.2298



0.2534, 0.1156, 0.6896

Inverse Universe

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



31.7275, 29.3790, 35.0102



55.2503, 49.4976, 60.2104



29.7699, 36.1478, 29.8356



7.6867, 7.6045, 8.6673



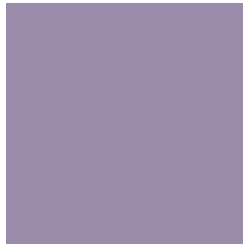
13.5110, 6.8131, 7.5026



0.3544, 0.1760, 0.3178

Previews

White Background



This preview shows how the XYZ color 29.8147, 28.2375, 41.9092 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 29.8147, 28.2375, 41.9092 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 29.8147, 28.2375, 41.9092

Background



This preview shows how black text looks on a background with the XYZ color 29.8147, 28.2375, 41.9092.



This preview shows how white text looks on a background with the XYZ color 29.8147, 28.2375,

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

29.8147, 28.2375, 41.9092

Protanopia

28.1635, 28.4526, 43.5427

Deuteranopia

28.8132, 28.1551, 41.9461



Tritanopia

28.1853, 28.2252, 34.0995

Trichromacy



Original Color

29.8147, 28.2375, 41.9092

Protanomaly

28.6210, 28.2539, 42.9748

Deuteranomaly

29.2115, 28.1425, 41.9226

Tritanomaly

28.7318, 28.2284, 36.7352

Monochromacy



Original Color

29.8147, 28.2375, 41.9092

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.4673, 28.7971, 35.0684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8147, 28.2375, 41.9092 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(154, 139, 170)` looks like.

```
.text, #text, p{  
    color:rgb(154, 139, 170)  
}
```

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(154, 139, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 139, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.8147, 28.2375, 41.9092 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(154, 139, 170) }
```


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

```
.border{ border-color:rgb(154, 139, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 139, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 139, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 139, 170);  
box-shadow:4px 4px 4px 4px rgb(154, 139,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8147, 28.2375, 41.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 139, 170) }
```

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

```
.background{ background-color: rgb(154,  
139, 170) }
```

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