

Converting Colors

XYZ(27.2998, 14.5458, 1.9410)

Have a look what the booklet for
XYZ(27.2998, 14.5458, 1.9410)
contains.

XYZ(27.2998, 14.5458, 1.9410)	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(27.2998, 14.5458,
1.9410)**

Conversions

Conversions Part 1

Format	Color
Hex	D31812
RGB	211, 24, 18
RGB Percent	83%, 9%, 7%
CMY	0.1726, 0.9058, 0.9294
CMYK	0.00, 0.89, 0.91, 0.17
HSL	2°, 84%, 45%
HSV	2°, 91%, 83%
XYZ	27.2998, 14.5458, 1.9410
YIQ	79.2290, 113.3780, 37.7780

Conversions

Conversions Part 2

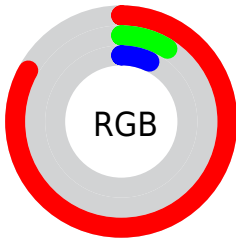
Format	Color
RYB	211, 24, 18
Decimal	13834258
CIELab	45.01, 66.94, 52.94
CIELCh	45, 85.342, 38.337
Yxy	14.5458, 0.6235, 0.3322
Android (android.graphics.Color)	4292024338 (0xFFD31812)
YUV	79.2290, -30.1859, 115.5632
Hunter-Lab	38.1390, 61.0268, 23.6798

Details

The XYZ color **27.2998, 14.5458, 1.9410** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **33.8328, 48.4827, 69.2025**, and the grayscale version is **7.5191, 7.9106, 8.6147**.

A 20% lighter version of the original color is **46.2261, 29.6588, 8.4426**, and **11.8541, 6.1110, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **26.9353, 13.9918, 1.2810**, and if you desaturate by 10%, it is **28.1498, 15.8322, 3.5004**.

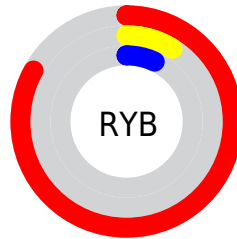
Distribution



Red (83%)

Green (9%)

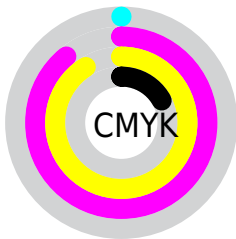
Blue (7%)



Red (83%)

Yellow (9%)

Blue (7%)

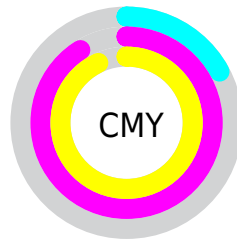


Cyan (0%)

Magenta (89%)

Yellow (91%)

Black (17%)



Cyan (17%)


Magenta (91%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2998, 14.5458, 1.9410 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 27.2998, 14.5458, 1.9410 by changing the saturation by 10% instead.

 27.2998, 14.5458,
1.9410


 27.2998, 14.5458,
1.9410


281.2469,
220.6003, 121.4538


 17.9363, 8.5012,
0.5186


 54.7811, 34.0544,
8.8789

 11.0036, 4.4173,
0.0000


 73.6295, 48.2872,
15.2966


 6.1366, 1.9096,
0.0000


 96.3703, 66.0182,
24.2382

 2.9698, 0.5542,
0.0000

 123.3688, 87.6319,
36.1223

 1.1378, 0.0000,
0.0000

 154.9904,
113.5125, 51.3673


 0.0564, 0.0000,
0.0000


 191.6003,


 0.0000, 0.0000,


144.0445, 70.3919


0.0000


 233.5641,
179.6123, 93.6145


 27.2998, 14.5458,
1.9410


 27.2998, 14.5458,
1.9410


 26.9353, 13.9918,
1.2810

 28.1498, 15.8322,
3.5004

 29.5697, 17.9471,
6.2084

 31.6363, 20.9993,
10.2296

 34.4143, 25.0808,
15.7019

 37.9607, 30.2722,
22.7458

■ 42.3266, 36.6465,
31.4692

■ 47.5588, 44.2701,
41.9705

■ 53.7003, 53.2047,
54.3406

■ 60.7916, 63.5079,
68.6640

Harmonies

Analogous

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



31.8788, 14.5458, 10.8800



27.2998, 14.5458, 1.9410



19.4136, 14.5458, 0.0000

Triad

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



27.2998, 14.5458, 1.9410



4.7091, 14.5458, 5.4437



15.8704, 14.5458, 92.7982

Complementary

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



27.2998, 14.5458, 1.9410



33.8328, 48.4827, 69.2025

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.



9.4278, 14.5458, 85.4744



27.2998, 14.5458, 1.9410



4.3257, 14.5458, 22.1110

Square

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



27.2998, 14.5458, 1.9410



7.0438, 14.5458, 0.7450



5.7266, 14.5458, 53.8046



23.9687, 14.5458, 69.4039

Rectangle

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



27.2998, 14.5458, 1.9410



14.2197, 14.5458, 0.0000



5.7266, 14.5458, 53.8046



13.4384, 14.5458, 94.0753

Sweetspot

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



27.3001, 14.5467, 1.9412



68.1660, 60.9058, 54.7013



38.4386, 18.8248, 61.1421



14.0227, 12.2088, 10.5702



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.3001, 14.5467, 1.9412



41.3264, 21.4328, 1.9588



33.4181, 26.7827, 3.9805



11.8379, 11.8665, 12.2786



16.2694, 8.4718, 0.7777



0.9203, 0.4950, 0.0470

Inverse Universe

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



33.8328, 48.4827, 69.2025



51.3233, 73.7667, 106.1411



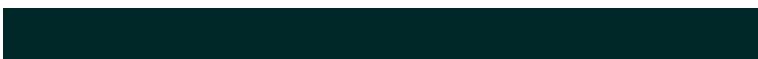
17.7226, 16.2625, 63.8325



12.1254, 13.3411, 15.1797



20.2014, 29.0495, 41.7349



1.1397, 1.6446, 2.3369

Previews

White Background



This preview shows how the XYZ color 27.2998, 14.5458, 1.9410 looks on a white 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

Black Background



This preview shows how the XYZ color 27.2998, 14.5458, 1.9410 looks on a black 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

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

XYZ 27.2998, 14.5458, 1.9410

Background



This preview shows how black text looks on a background with the XYZ color 27.2998, 14.5458, 1.9410.



This preview shows how white text looks on a background with the XYZ color 27.2998, 14.5458,

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

27.2998, 14.5458, 1.9410

Protanopia

13.5662, 14.9174, 3.8334

Deuteranopia

14.9047, 14.7370, 2.0590



Tritanopia

27.2998, 14.5458, 1.9410

Trichromacy



Original Color

27.2998, 14.5458, 1.9410

Protanomaly

16.2021, 12.2665, 2.6761

Deuteranomaly

17.5914, 12.6994, 1.7251

Tritanomaly

27.2998, 14.5458, 1.9410

Monochromacy



Original Color

27.2998, 14.5458, 1.9410

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

11.0549, 7.9354, 4.8199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2998, 14.5458, 1.9410 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(211, 24, 18)` looks like.

```
.text, #text, p{  
    color:rgb(211, 24, 18)  
}
```

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(211, 24, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 24, 18) }
```

Border

The CSS property to change the border of an element to XYZ 27.2998, 14.5458, 1.9410 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(211, 24, 18) }
```


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

```
.border{ border-color:rgb(211, 24, 18) }
```

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

Here you see how a box with a 4 pixel rgb(211, 24, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 24, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 24, 18);  
box-shadow:4px 4px 4px 4px rgb(211, 24,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2998, 14.5458, 1.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 24, 18) }
```

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

```
.background{ background-color: rgb(211, 24,  
18) }
```

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