

Converting Colors

XYZ(25.7168, 14.4674, 1.4371)

Have a look what the booklet for
XYZ(25.7168, 14.4674, 1.4371)
contains.

XYZ(25.7298, 14.4933, 1.4414)	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(25.7298, 14.4933,
1.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	CC2A00
RGB	204, 42, 0
RGB Percent	80%, 16%, 0%
CMY	0.2000, 0.8352, 1.0000
CMYK	0.00, 0.79, 1.00, 0.20
HSL	12°, 100%, 40%
HSV	12°, 100%, 80%
XYZ	25.7298, 14.4933, 1.4414
YIQ	85.6500, 110.0340, 21.2820

Conversions

Conversions Part 2

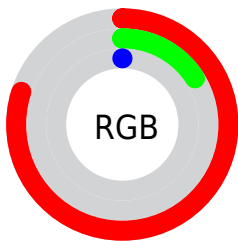
Format	Color
RYB	204, 53, 0
Decimal	13380096
CIELab	44.93, 60.81, 57.74
CIElCh	45, 83.856, 43.519
Yxy	14.4933, 0.6175, 0.3479
Android (android.graphics.Color)	4291570176 (0xFFCC2A00)
YUV	85.6500, -42.2254, 103.7930
Hunter-Lab	38.0701, 54.0173, 24.4042

Details

The XYZ color **25.7298, 14.4933, 1.4414** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **23.8172, 30.1959, 61.6993**, and the grayscale version is **8.8428, 9.3033, 10.1313**.

A 20% lighter version of the original color is **46.6810, 31.0386, 7.1451**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.7300, 14.4941, 1.4415**, and if you desaturate by 10%, it is **26.5553, 15.9368, 2.3573**.

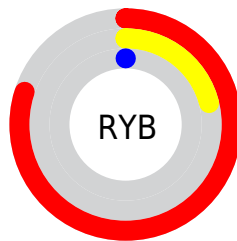
Distribution



Red (80%)

Green (16%)

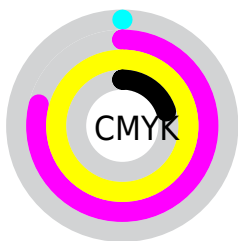
Blue (0%)



Red (80%)

Yellow (21%)

Blue (0%)

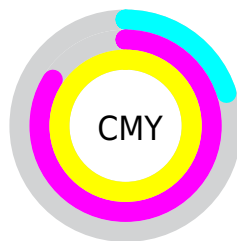


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7298, 14.4933, 1.4414 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 25.7298, 14.4933, 1.4414 by changing the saturation by 10% instead.


 25.7298, 14.4933,
1.4414


 25.7298, 14.4933,
1.4414


 273.7342,
220.2784, 112.9913


 16.7532, 8.4646,
0.1737


 52.2731, 33.9618,
7.4481


 10.1529, 4.3936,
0.0000


 70.5706, 48.1703,
13.2206

 5.5635, 1.8961,
0.0000

 92.7058, 65.8742,
21.3972

 2.6196, 0.5460,
0.0000

 119.0440, 87.4579,
32.3965

 0.9560, 0.0000,
0.0000


 149.9506,
113.3058, 46.6370


 0.0000, 0.0000,
0.0000


 185.7909,


143.8023, 64.5373


 226.9303,
179.3317, 86.5159

 25.7298, 14.4933,
1.4414


 25.7298, 14.4933,
1.4414


 25.7300, 14.4941,
1.4415

 26.5553, 15.9368,
2.3573

 27.7748, 17.9487,
4.0803

 29.4572, 20.5921,
6.8656

 31.6473, 23.9160,
10.8518

 34.3839, 27.9644,
16.1564

■ 37.7020, 32.7775,
22.8828

■ 41.6334, 38.3922,
31.1241

■ 46.2078, 44.8433,
40.9655

■ 51.4527, 52.1634,
52.4856

Harmonies

Analogous

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



30.9995, 14.4933, 8.4925



25.7298, 14.4933, 1.4414



17.8680, 14.4933, 0.0000

Triad

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



25.7298, 14.4933, 1.4414



4.6012, 14.4933, 7.3047



17.0960, 14.4933, 88.4146

Complementary

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



25.7298, 14.4933, 1.4414



23.8172, 30.1959, 61.6993

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.



10.3610, 14.4933, 86.8298



25.7298, 14.4933, 1.4414



4.5168, 14.4933, 26.3659

Square

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



25.7298, 14.4933, 1.4414



6.5407, 14.4933, 1.1791



6.2516, 14.4933, 58.7254



25.0055, 14.4933, 62.1042

Rectangle

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



25.7298, 14.4933, 1.4414



12.9812, 14.4933, 0.0000



6.2516, 14.4933, 58.7254



14.6014, 14.4933, 91.5287

Sweetspot

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



25.7301, 14.4942, 1.4416



68.6747, 63.1915, 50.9608



31.5304, 15.4888, 36.0721



14.0805, 12.6448, 9.6016



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.



25.7301, 14.4942, 1.4416



42.4911, 23.7623, 2.3470



34.6941, 32.4222, 4.4296



11.3964, 11.5817, 11.7143



16.2494, 9.2318, 0.9255



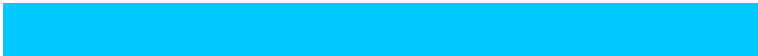
0.8941, 0.5878, 0.0663

Inverse Universe

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



23.8172, 30.1959, 61.6993



39.2844, 49.6888, 102.1281



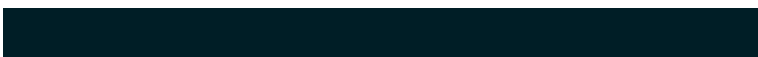
12.5785, 7.7187, 57.9531



11.3395, 12.3194, 14.3506



15.0592, 19.1423, 38.8574



0.8277, 1.0891, 2.0215

Previews

White Background



This preview shows how the XYZ color 25.7298, 14.4933, 1.4414 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 25.7298, 14.4933, 1.4414 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 25.7298, 14.4933, 1.4414

Background



This preview shows how black text looks on a background with the XYZ color 25.7298, 14.4933, 1.4414.



This preview shows how white text looks on a background with the XYZ color 25.7298, 14.4933,

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

25.7298, 14.4933, 1.4414

Protanopia

13.4126, 14.8560, 3.0247

Deuteranopia

14.7430, 14.6536, 2.0514



Tritanopia

25.9936, 14.4349, 3.3357

Trichromacy



Original Color

25.7298, 14.4933, 1.4414

Protanomaly

16.0190, 12.9544, 2.1081

Deuteranomaly

17.3659, 13.2109, 1.6347

Tritanomaly

25.8361, 14.4251, 2.3423

Monochromacy



Original Color

25.7298, 14.4933, 1.4414

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.9330, 9.3233, 4.7851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7298, 14.4933, 1.4414 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(204, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 42, 0)  
}
```

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(204, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 42, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.7298, 14.4933, 1.4414 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(204, 42, 0) }
```


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

```
.border{ border-color:rgb(204, 42, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 42, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.7298, 14.4933, 1.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 42, 0) }
```

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

```
.background{ background-color: rgb(204, 42,  
0) }
```

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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