

Converting Colors

XYZ(25.8232, 14.6801, 1.4725)

Have a look what the booklet for
XYZ(25.8232, 14.6801, 1.4725)
contains.

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Color

**XYZ(25.8402, 14.7141,
1.4782)**

Conversions

Conversions Part 1

Format	Color
Hex	CC2D00
RGB	204, 45, 0
RGB Percent	80%, 18%, 0%
CMY	0.2000, 0.8235, 1.0000
CMYK	0.00, 0.78, 1.00, 0.20
HSL	13°, 100%, 40%
HSV	13°, 100%, 80%
XYZ	25.8402, 14.7141, 1.4782
YIQ	87.4110, 109.2090, 19.7130

Conversions

Conversions Part 2

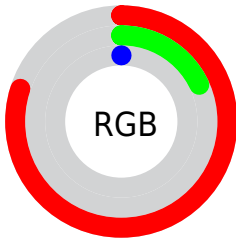
Format	Color
RYB	204, 58, 0
Decimal	13380864
CIELab	45.24, 59.94, 57.88
CIElCh	45, 83.323, 43.995
Yxy	14.7141, 0.6148, 0.3501
Android (android.graphics.Color)	4291570944 (0xFFCC2D00)
YUV	87.4110, -43.0936, 102.2486
Hunter-Lab	38.3590, 53.1169, 24.5665

Details

The XYZ color **25.8402, 14.7141, 1.4782** 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 **23.2953, 29.1521, 61.5254**, and the grayscale version is **9.2229, 9.7032, 10.5668**.

A 20% lighter version of the original color is **46.9041, 31.4462, 7.3390**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.8404, 14.7148, 1.4783**, and if you desaturate by 10%, it is **26.6955, 16.2173, 2.4040**.

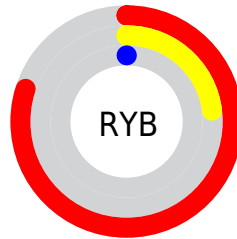
Distribution



Red (80%)

Green (18%)

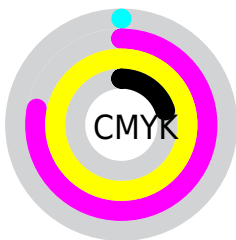
Blue (0%)



Red (80%)

Yellow (23%)

Blue (0%)

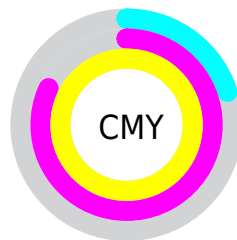


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8402, 14.7141, 1.4782 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 25.8402, 14.7141, 1.4782 by changing the saturation by 10% instead.


 25.8402, 14.7141,
1.4782


 25.8402, 14.7141,
1.4782


 274.2679,
221.6292, 113.6610


 16.8362, 8.6190,
0.2016


 52.4502, 34.3508,
7.5577


 10.2123, 4.4935,
0.0000


 70.7869, 48.6613,
13.3811

 5.6033, 1.9533,
0.0000

 92.9651, 66.4789,
21.6184

 2.6438, 0.5801,
0.0000

 119.3503, 88.1881,
32.6880


 0.9683, 0.0000,
0.0000


 150.3079,
114.1734, 47.0086


 0.0000, 0.0000,
0.0000


 186.2031,


144.8190, 64.9985


 227.4013,
180.5095, 87.0765


 25.8402, 14.7141,
1.4782


 25.8402, 14.7141,
1.4782


 25.8404, 14.7148,
1.4783

 26.6955, 16.2173,
2.4040

 27.9391, 18.2772,
4.1351

 29.6383, 20.9541,
6.9260

 31.8364, 24.2943,
10.9148

 34.5714, 28.3393,
16.2189

■ 37.8770, 33.1274,
22.9412

■ 41.7842, 38.6938,
31.1744

■ 46.3219, 45.0714,
41.0035

■ 51.5168, 52.2915,
52.5070

Harmonies

Analogous

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



31.1737, 14.7141, 8.4879



25.8402, 14.7141, 1.4782



17.9640, 14.7141, 0.0000

Triad

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



25.8402, 14.7141, 1.4782



4.7270, 14.7141, 7.6736



17.4387, 14.7141, 88.1979

Complementary

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



25.8402, 14.7141, 1.4782



23.2953, 29.1521, 61.5254

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.



10.6423, 14.7141, 87.1282



25.8402, 14.7141, 1.4782



4.6689, 14.7141, 27.0553

Square

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



25.8402, 14.7141, 1.4782



6.6559, 14.7141, 1.2942



6.4575, 14.7141, 59.4451



25.3485, 14.7141, 61.7295

Rectangle

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



25.8402, 14.7141, 1.4782



13.0829, 14.7141, 0.0000



6.4575, 14.7141, 59.4451



14.9283, 14.7141, 91.4599

Sweetspot

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



25.8405, 14.7150, 1.4784



68.9263, 63.6948, 51.0447



31.2293, 15.3684, 34.4865



14.1384, 12.7608, 9.6210



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.



25.8405, 14.7150, 1.4784



42.6670, 24.1140, 2.4057



35.2114, 33.4568, 4.6020



11.4097, 11.6084, 11.7187



16.3218, 9.3766, 0.9496



0.9002, 0.6000, 0.0684

Inverse Universe

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



23.2953, 29.1521, 61.5254



38.4128, 47.9456, 101.8376



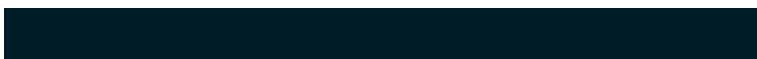
12.4021, 7.3658, 57.8943



11.3251, 12.2907, 14.3458



14.7338, 18.4916, 38.7490



0.8134, 1.0605, 2.0168

Previews

White Background



This preview shows how the XYZ color 25.8402, 14.7141, 1.4782 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



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 25.8402, 14.7141, 1.4782

Background



This preview shows how black text looks on a background with the XYZ color 25.8402, 14.7141, 1.4782.



This preview shows how white text looks on a background with the XYZ color 25.8402, 14.7141,

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

25.8402, 14.7141, 1.4782

Protanopia

13.5535, 14.9286, 3.0313

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

26.1477, 14.6605, 3.6421

Trichromacy



Original Color

25.8402, 14.7141, 1.4782

Protanomaly

16.2836, 13.2069, 2.1429

Deuteranomaly

17.7152, 13.6117, 1.6936

Tritanomaly

25.9635, 14.6443, 2.4951

Monochromacy



Original Color

25.8402, 14.7141, 1.4782

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

12.2129, 9.6564, 4.8346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8402, 14.7141, 1.4782 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, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 45, 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, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 45, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.8402, 14.7141, 1.4782 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, 45, 0) }
```


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

```
.border{ border-color:rgb(204, 45, 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, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 45, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.8402, 14.7141, 1.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 45, 0) }
```

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

```
.background{ background-color: rgb(204, 45,  
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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