

Converting Colors

XYZ(25.3343, 13.0421, 2.0071)

Have a look what the booklet for
XYZ(25.3343, 13.0421, 2.0071)
contains.

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Color

**XYZ(25.3315, 13.0410,
1.9927)**

Conversions

Conversions Part 1

Format	Color
Hex	CD0017
RGB	205, 0, 23
RGB Percent	80%, 0%, 9%
CMY	0.1961, 0.9998, 0.9098
CMYK	0.00, 1.00, 0.89, 0.20
HSL	353°, 100%, 40%
HSV	353°, 100%, 80%
XYZ	25.3315, 13.0410, 1.9927
YIQ	63.9170, 114.7970, 50.6130

Conversions

Conversions Part 2

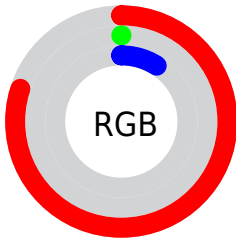
Format	Color
RYB	205, 0, 23
Decimal	13434903
CIELab	42.82, 68.21, 48.72
CIElCh	43, 83.823, 35.534
Yxy	13.0410, 0.6276, 0.3231
Android (android.graphics.Color)	4291624983 (0xFFCD0017)
YUV	63.9170, -20.1721, 123.7298
Hunter-Lab	36.1123, 62.0148, 22.0070

Details

The XYZ color **25.3315, 13.0410, 1.9927** 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 **30.2795, 47.0417, 51.7624**, and the grayscale version is **4.8815, 5.1357, 5.5928**.

A 20% lighter version of the original color is **45.6420, 28.3452, 8.6958**, and **10.9845, 5.6627, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **25.3309, 13.0407, 1.9907**, and if you desaturate by 10%, it is **25.8403, 13.6603, 3.3914**.

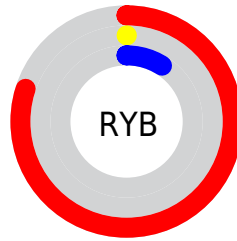
Distribution



Red (80%)

Green (0%)

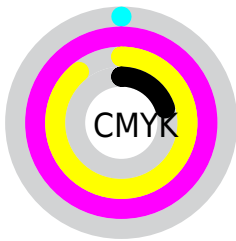
Blue (9%)



Red (80%)

Yellow (0%)

Blue (9%)

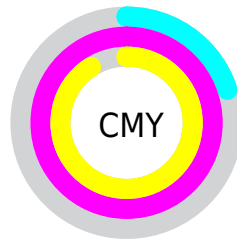


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3315, 13.0410, 1.9927 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 25.3315, 13.0410, 1.9927 by changing the saturation by 10% instead.


 25.3315, 13.0410,
1.9927


 25.3315, 13.0410,
1.9927


271.8021,
211.1803, 122.2633


 16.4543, 7.4568,
0.5508


 51.6335, 31.3774,
9.0208


 9.9390, 3.7494,
0.0000


 69.7890, 44.8984,
15.5004

 5.4205, 1.5344,
0.0000

 91.7680, 61.8338,
24.5151

 2.5333, 0.3127,
0.0000

 117.9358, 82.5680,
36.4833


 0.9121, 0.0000,
0.0000


 148.6577,
107.4853, 51.8238


 0.0000, 0.0000,
0.0000


 184.2992,


136.9702, 70.9549


 225.2255,
171.4070, 94.2952


 25.3315, 13.0410,
1.9927

 25.3315, 13.0410,
1.9927


 25.3309, 13.0407,
1.9907

 25.8403, 13.6603,
3.3914

 26.7711, 14.8879,
5.6561

 28.2358, 16.9193,
8.9126

 30.3000, 19.8613,
13.2586

 33.0199, 23.8042,
18.7797

■ 36.4451, 28.8277,
25.5534

■ 40.6202, 35.0031,
33.6500

■ 45.5865, 42.3960,
43.1350

■ 51.3820, 51.0667,
54.0694

Harmonies

Analogous

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



29.0987, 13.0410, 11.0678



25.3315, 13.0410, 1.9927



18.2152, 13.0410, 0.0000

Triad

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



25.3315, 13.0410, 1.9927



4.2350, 13.0410, 4.0399



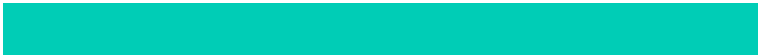
13.6187, 13.0410, 85.9733

Complementary

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



25.3315, 13.0410, 1.9927



30.2795, 47.0417, 51.7624

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.



7.9691, 13.0410, 76.3959



25.3315, 13.0410, 1.9927



3.7439, 13.0410, 17.8723

Square

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



25.3315, 13.0410, 1.9927



6.5353, 13.0410, 0.3931



4.8412, 13.0410, 46.0628



21.0002, 13.0410, 66.4385

Rectangle

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



25.3315, 13.0410, 1.9927



13.3772, 13.0410, 0.0000



4.8412, 13.0410, 46.0628



11.4622, 13.0410, 86.1634

Sweetspot

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



25.3318, 13.0418, 1.9929



66.2371, 56.8909, 54.5425



30.0965, 14.2431, 58.9201



13.5240, 11.2088, 10.4123



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.



25.3318, 13.0418, 1.9929



41.4564, 21.3466, 3.0696



27.9448, 18.5150, 2.1021



11.2626, 11.2338, 11.9173



15.7874, 8.1255, 1.3332



0.8321, 0.4262, 0.1615

Inverse Universe

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



25.3318, 13.0418, 1.9929



41.4564, 21.3466, 3.0696



18.5362, 19.4407, 60.5326



11.2626, 11.2338, 11.9173



15.7874, 8.1255, 1.3332



0.8321, 0.4262, 0.1615

Previews

White Background



This preview shows how the XYZ color 25.3315, 13.0410, 1.9927 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 25.3315, 13.0410, 1.9927

Background



This preview shows how black text looks on a background with the XYZ color 25.3315, 13.0410, 1.9927.



This preview shows how white text looks on a background with the XYZ color 25.3315, 13.0410,

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

25.3315, 13.0410, 1.9927

Protanopia

12.4208, 13.7056, 4.0886

Deuteranopia

13.7278, 13.5607, 1.8939



Tritanopia

25.1347, 13.3031, 1.2430

Trichromacy



Original Color

25.3315, 13.0410, 1.9927

Protanomaly

14.4497, 10.3078, 2.7414

Deuteranomaly

15.8670, 10.7319, 1.4649

Tritanomaly

25.0771, 13.1178, 1.4400

Monochromacy



Original Color

25.3315, 13.0410, 1.9927

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.4175, 5.4525, 3.5145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3315, 13.0410, 1.9927 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(205, 0, 23)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 23)  
}
```

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(205, 0, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 23) }
```

Border

The CSS property to change the border of an element to XYZ 25.3315, 13.0410, 1.9927 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(205, 0, 23) }
```


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

```
.border{ border-color:rgb(205, 0, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 0, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(205, 0, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.3315, 13.0410, 1.9927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 23) }
```

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

```
.background{ background-color: rgb(205, 0,  
23) }
```

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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