

Converting Colors

XYZ(25.8542, 13.2997, 2.5021)

Have a look what the booklet for
XYZ(25.8542, 13.2997, 2.5021)
contains.

XYZ(25.9794, 13.3643, 2.5066)	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(25.9794, 13.3643,
2.5066)**

Conversions

Conversions Part 1

Format	Color
Hex	CF001F
RGB	207, 0, 31
RGB Percent	81%, 0%, 12%
CMY	0.1882, 0.9998, 0.8784
CMYK	0.00, 1.00, 0.85, 0.19
HSL	351°, 100%, 41%
HSV	351°, 100%, 81%
XYZ	25.9794, 13.3643, 2.5066
YIQ	65.4270, 113.4210, 53.5250

Conversions

Conversions Part 2

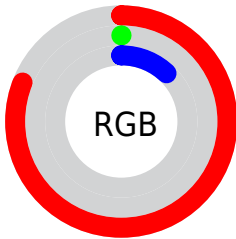
Format	Color
R_{YB}	207, 0, 31
Decimal	13565983
CIE _{Lab}	43.31, 68.86, 45.36
CIE _{LCh}	43, 82.453, 33.375
Yxy	13.3643, 0.6208, 0.3193
Android (android.graphics.Color)	4291756063 (0xFFCF001F)
YUV	65.4270, -16.9725, 124.1595
Hunter-Lab	36.5572, 62.8760, 21.5247

Details

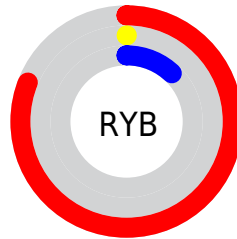
The XYZ color **25.9794, 13.3643, 2.5066** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **30.1539, 47.7618, 48.7264**, and the grayscale version is **5.1065, 5.3725, 5.8506**.

A 20% lighter version of the original color is **45.9073, 28.4514, 10.0933**, and **11.3277, 5.8396, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **25.9787, 13.3640, 2.5040**, and if you desaturate by 10%, it is **26.5414, 14.0107, 4.1675**.

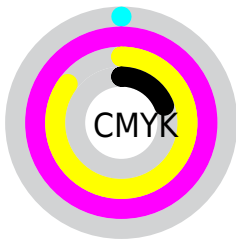
Distribution



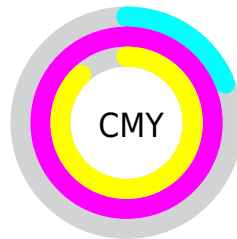
- Red (81%)
- Green (0%)
- Blue (12%)



- Red (81%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.9794, 13.3643, 2.5066 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 25.9794, 13.3643, 2.5066 by changing the saturation by 10% instead.


 25.9794, 13.3643,
2.5066


 25.9794, 13.3643,
2.5066


274.9395,
213.2394, 129.8046

 16.9408, 7.6799,
0.8437


 52.6732, 31.9567,
10.3845


 10.2874, 3.8908,
0.0000


 71.0592, 45.6335,
17.4416


 5.6536, 1.6127,
0.0000

 93.2917, 62.7432,
27.1353

 2.6743, 0.3661,
0.0000

 119.7361, 83.6703,
39.8844


 0.9839, 0.0000,
0.0000


 150.7577,
108.7990, 56.1073


 0.0000, 0.0000,
0.0000


 186.7219,


138.5139, 76.2226


 227.9941,
173.1992, 100.6489


 25.9794, 13.3643,
2.5066


 25.9794, 13.3643,
2.5066


 25.9787, 13.3640,
2.5040

 26.5414, 14.0107,
4.1675

 27.5298, 15.2778,
6.6843

 29.0552, 17.3633,
10.1688

 31.1825, 20.3756,
14.7081

 33.9673, 24.4066,
20.3792

■ 37.4584, 29.5370,
27.2519

■ 41.7002, 35.8394,
35.3903

■ 46.7334, 43.3802,
44.8539

■ 52.5956, 52.2209,
55.6984

Harmonies

Analogous

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



29.3469, 13.3643, 12.5758



25.9794, 13.3643, 2.5066



19.0451, 13.3643, 0.0670

Triad

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



25.9794, 13.3643, 2.5066



4.5783, 13.3643, 3.7902



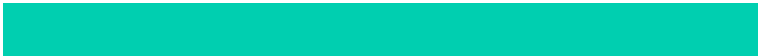
13.4398, 13.3643, 85.5671

Complementary

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



25.9794, 13.3643, 2.5066



30.1539, 47.7618, 48.7264

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.



7.9520, 13.3643, 74.1542



25.9794, 13.3643, 2.5066



3.9592, 13.3643, 16.7239

Square

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



25.9794, 13.3643, 2.5066



7.0696, 13.3643, 0.4064



4.9546, 13.3643, 43.7764



20.7347, 13.3643, 68.1847

Rectangle

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



25.9794, 13.3643, 2.5066



14.1738, 13.3643, 0.0000



4.9546, 13.3643, 43.7764



11.3365, 13.3643, 85.0016

Sweetspot

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



25.9797, 13.3652, 2.5068



66.5481, 57.0153, 56.1800



29.1574, 13.7309, 60.1445



13.5951, 11.2373, 10.7864



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.



25.9797, 13.3652, 2.5068



41.5922, 21.4009, 3.7844



28.0805, 17.9622, 1.9883



11.8798, 11.8367, 12.6427



16.3897, 8.4287, 1.6926



0.9399, 0.4807, 0.2185

Inverse Universe

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



25.9797, 13.3652, 2.5068



41.5922, 21.4009, 3.7844



19.8663, 21.7120, 62.1747



11.8798, 11.8367, 12.6427



16.3897, 8.4287, 1.6926



0.9399, 0.4807, 0.2185

Previews

White Background



This preview shows how the XYZ color 25.9794, 13.3643, 2.5066 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 25.9794, 13.3643, 2.5066

Background



This preview shows how black text looks on a background with the XYZ color 25.9794, 13.3643, 2.5066.



This preview shows how white text looks on a background with the XYZ color 25.9794, 13.3643,

2.5066.

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

25.9794, 13.3643, 2.5066

Protanopia

12.8516, 14.0552, 5.1675

Deuteranopia

13.9776, 13.8292, 1.9326



Tritanopia

25.6865, 13.5876, 1.2688

Trichromacy



Original Color

25.9794, 13.3643, 2.5066

Protanomaly

14.8562, 10.5857, 3.6431

Deuteranomaly

16.1360, 10.9501, 1.5797

Tritanomaly

25.6455, 13.4089, 1.5531

Monochromacy



Original Color

25.9794, 13.3643, 2.5066

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.7717, 5.6248, 3.9915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9794, 13.3643, 2.5066 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(207, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 31)  
}
```

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(207, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 31) }
```

Border

The CSS property to change the border of an element to XYZ 25.9794, 13.3643, 2.5066 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(207, 0, 31) }
```


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

```
.border{ border-color:rgb(207, 0, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.9794, 13.3643, 2.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 31) }
```

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

```
.background{ background-color: rgb(207, 0,  
31) }
```

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