

Converting Colors

XYZ(25.1616, 13.3568, 1.2520)

Have a look what the booklet for
XYZ(25.1616, 13.3568, 1.2520)
contains.

XYZ(25.1700, 13.3737, 1.2548)	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(25.1700, 13.3737,
1.2548)**

Conversions

Conversions Part 1

Format	Color
Hex	CC1500
RGB	204, 21, 0
RGB Percent	80%, 8%, 0%
CMY	0.2000, 0.9175, 1.0000
CMYK	0.00, 0.90, 1.00, 0.20
HSL	6°, 100%, 40%
HSV	6°, 100%, 80%
XYZ	25.1700, 13.3737, 1.2548
YIQ	73.3230, 115.8090, 32.2650

Conversions

Conversions Part 2

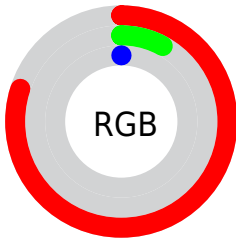
Format	Color
RYB	204, 23, 0
Decimal	13374720
CIELab	43.32, 65.39, 57.10
CIElCh	43, 86.813, 41.129
Yxy	13.3737, 0.6324, 0.3360
Android (android.graphics.Color)	4291564800 (0xFFCC1500)
YUV	73.3230, -36.1482, 114.6037
Hunter-Lab	36.5701, 58.8582, 23.5647

Details

The XYZ color **25.1700, 13.3737, 1.2548** 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 **27.8273, 38.2163, 63.0361**, and the grayscale version is **6.4390, 6.7744, 7.3773**.

A 20% lighter version of the original color is **45.6237, 28.9992, 6.5609**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **25.1702, 13.3745, 1.2549**, and if you desaturate by 10%, it is **25.7677, 14.3616, 2.0947**.

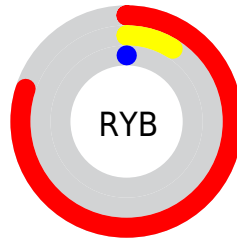
Distribution



Red (80%)

Green (8%)

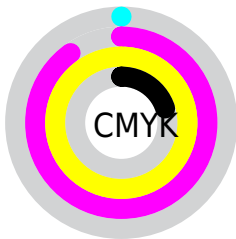
Blue (0%)



Red (80%)

Yellow (9%)

Blue (0%)

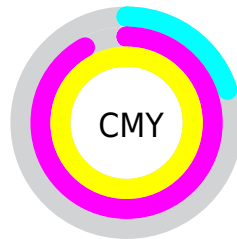


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (92%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1700, 13.3737, 1.2548 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 25.1700, 13.3737, 1.2548 by changing the saturation by 10% instead.


 25.1700, 13.3737,
1.2548


 25.1700, 13.3737,
1.2548


 271.0155,
213.2990, 109.4520


 16.3332, 7.6864,
0.0243


 51.3738, 31.9735,
6.8795


 9.8526, 3.8949,
0.0000


 69.4714, 45.6548,
12.3832


 5.3628, 1.6150,
0.0000

 91.3868, 62.7696,
20.2392

 2.4986, 0.3677,
0.0000

 117.4851, 83.7022,
30.8660


 0.8946, 0.0000,
0.0000


 148.1318,
108.8371, 44.6821


 0.0000, 0.0000,
0.0000


 183.6922,


138.5585, 62.1061


 224.5316,
173.2510, 83.5566


 25.1700, 13.3737,
1.2548


 25.1700, 13.3737,
1.2548


 25.1702, 13.3745,
1.2549

 25.7677, 14.3616,
2.0947

 26.7924, 15.9840,
3.7528

 28.3282, 18.3340,
6.4892

 30.4314, 21.4843,
10.4464

 33.1510, 25.4986,
15.7452

■ 36.5303, 30.4342,
22.4921

■ 40.6091, 36.3436,
30.7825

■ 45.4237, 43.2752,
40.7038

■ 51.0081, 51.2742,
52.3370

Harmonies

Analogous

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



30.1170, 13.3737, 8.5129



25.1700, 13.3737, 1.2548



17.3755, 13.3737, 0.0000

Triad

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



25.1700, 13.3737, 1.2548



3.9745, 13.3737, 5.5600



15.3778, 13.3737, 89.6564

Complementary

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



25.1700, 13.3737, 1.2548



27.8273, 38.2163, 63.0361

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.



8.9668, 13.3737, 85.3740



25.1700, 13.3737, 1.2548



3.7697, 13.3737, 22.9557

Square

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



25.1700, 13.3737, 1.2548



5.9554, 13.3737, 0.6503



5.2405, 13.3737, 55.1024



23.2709, 13.3737, 64.1528

Rectangle

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



25.1700, 13.3737, 1.2548



12.4578, 13.3737, 0.0000



5.2405, 13.3737, 55.1024



12.9682, 13.3737, 91.9948

Sweetspot

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



25.1703, 13.3746, 1.2550



66.9661, 59.7744, 50.3913



33.5114, 16.2812, 46.5039



13.6891, 11.8621, 9.4712



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.



25.1703, 13.3746, 1.2550



41.6156, 22.0113, 2.0552



31.9104, 26.8548, 3.5017



11.3038, 11.3966, 11.6834



15.8753, 8.4835, 0.8008



0.8514, 0.5024, 0.0521

Inverse Universe

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



27.8273, 38.2163, 63.0361



45.9917, 63.1034, 104.3639



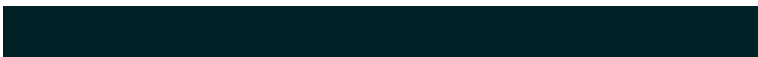
13.8863, 10.3342, 58.3890



11.4407, 12.5217, 14.3843



17.5549, 24.1339, 39.6893



0.9348, 1.3033, 2.0572

Previews

White Background



This preview shows how the XYZ color 25.1700, 13.3737, 1.2548 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 25.1700, 13.3737, 1.2548 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 25.1700, 13.3737, 1.2548

Background



This preview shows how black text looks on a background with the XYZ color 25.1700, 13.3737, 1.2548.



This preview shows how white text looks on a background with the XYZ color 25.1700, 13.3737,

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

25.1700, 13.3737, 1.2548

Protanopia

12.4729, 13.7571, 2.9753

Deuteranopia

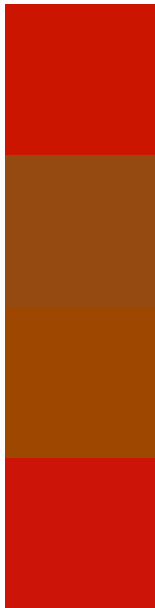
13.8219, 13.7490, 1.9253



Tritanopia

25.2364, 13.4002, 1.6042

Trichromacy



Original Color

25.1700, 13.3737, 1.2548

Protanomaly

14.9444, 11.3276, 1.9291

Deuteranomaly

16.3538, 11.7756, 1.4110

Tritanomaly

25.2138, 13.3912, 1.4856

Monochromacy



Original Color

25.1700, 13.3737, 1.2548

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

9.6975, 6.9005, 3.4056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1700, 13.3737, 1.2548 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, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 21, 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, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.1700, 13.3737, 1.2548 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, 21, 0) }
```


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

```
.border{ border-color:rgb(204, 21, 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, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 21, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1700, 13.3737, 1.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 21, 0) }
```

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

```
.background{ background-color: rgb(204, 21,  
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](#).

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