

Converting Colors

XYZ(25.7570, 13.2432, 2.7887)

Have a look what the booklet for
XYZ(25.7570, 13.2432, 2.7887)
contains.

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Color

**XYZ(25.7570, 13.2432,
2.7887)**

Conversions

Conversions Part 1

Format	Color
Hex	CE0023
RGB	206, 0, 35
RGB Percent	81%, 0%, 14%
CMY	0.1922, 0.9998, 0.8627
CMYK	0.00, 1.00, 0.83, 0.19
HSL	350°, 100%, 40%
HSV	350°, 100%, 81%
XYZ	25.7570, 13.2432, 2.7887
YIQ	65.5840, 111.5410, 54.5570

Conversions

Conversions Part 2

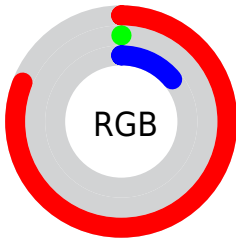
Format	Color
R_{YB}	206, 0, 35
Decimal	13500451
CIE _{Lab}	43.13, 68.70, 42.99
CIE _{LCh}	43, 81.043, 32.037
Yxy	13.2432, 0.6164, 0.3169
Android (android.graphics.Color)	4291690531 (0xFFCE0023)
YUV	65.5840, -15.0779, 123.1448
Hunter-Lab	36.3912, 62.6543, 20.9304

Details

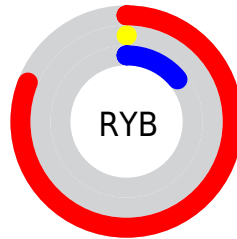
The XYZ color **25.7570, 13.2432, 2.7887** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **29.4267, 47.0846, 46.0878**, and the grayscale version is **5.1282, 5.3953, 5.8755**.

A 20% lighter version of the original color is **46.0530, 28.5097, 10.8602**, and **11.1553, 5.7508, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **25.7562, 13.2428, 2.7858**, and if you desaturate by 10%, it is **26.3373, 13.8940, 4.5547**.

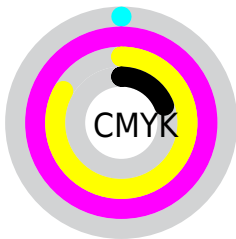
Distribution



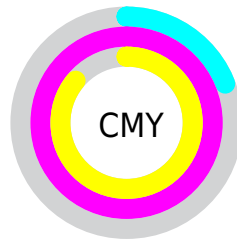
- Red (81%)
- Green (0%)
- Blue (14%)



- Red (81%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7570, 13.2432, 2.7887 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 25.7570, 13.2432, 2.7887 by changing the saturation by 10% instead.


 25.7570, 13.2432,
2.7887


 25.7570, 13.2432,
2.7887


273.8658,
212.4705, 133.6222


 16.7737, 7.5962,
0.9878


 52.3168, 31.7400,
11.1024


 10.1676, 3.8377,
0.0000


 70.6239, 45.3586,
18.4523

 5.5733, 1.5832,
0.0000

 92.7697, 62.4033,
28.4890

 2.6256, 0.3462,
0.0000

 119.1195, 83.2583,
41.6309


 0.9590, 0.0000,
0.0000


 150.0386,
108.3082, 58.2966


 0.0000, 0.0000,
0.0000


 185.8925,


137.9372, 78.9047


 227.0464,
172.5299, 103.8737


 25.7570, 13.2432,
2.7887


 25.7570, 13.2432,
2.7887


 25.7562, 13.2428,
2.7858

 26.3373, 13.8940,
4.5547

 27.3355, 15.1568,
7.1488

 28.8599, 17.2270,
10.6740

 30.9734, 20.2112,
15.2100

 33.7298, 24.1998,
20.8279

■ 37.1767, 29.2722,
27.5922

■ 41.3572, 35.4998,
35.5621

■ 46.3106, 42.9480,
44.7928

■ 52.0736, 51.6772,
55.3362

Harmonies

Analogous

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



28.8052, 13.2432, 13.2317



25.7570, 13.2432, 2.7887



19.0992, 13.2432, 0.1941

Triad

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



25.7570, 13.2432, 2.7887



4.6813, 13.2432, 3.5582



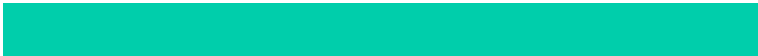
13.0188, 13.2432, 83.3232

Complementary

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



25.7570, 13.2432, 2.7887



29.4267, 47.0846, 46.0878

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.



7.7545, 13.2432, 71.1141



25.7570, 13.2432, 2.7887



3.9965, 13.2432, 15.6766

Square

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



25.7570, 13.2432, 2.7887



7.2316, 13.2432, 0.3955



4.9054, 13.2432, 41.4363



20.0919, 13.2432, 67.6316

Rectangle

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



25.7570, 13.2432, 2.7887



14.3252, 13.2432, 0.0000



4.9054, 13.2432, 41.4363



10.9959, 13.2432, 82.3292

Sweetspot

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



25.7573, 13.2440, 2.7889



66.7174, 57.0830, 57.0714



27.3408, 12.8085, 59.4234



13.6339, 11.2528, 10.9907



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.



25.7573, 13.2440, 2.7889



41.6812, 21.4365, 4.2532



27.3592, 16.9328, 1.8277



11.2887, 11.2442, 12.0551



15.8847, 8.1645, 1.8455



0.8441, 0.4311, 0.2251

Inverse Universe

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



25.7573, 13.2440, 2.7889



41.6812, 21.4365, 4.2532



20.6336, 23.4416, 61.8293



11.2887, 11.2442, 12.0551



15.8847, 8.1645, 1.8455



0.8441, 0.4311, 0.2251

Previews

White Background



This preview shows how the XYZ color 25.7570, 13.2432, 2.7887 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 25.7570, 13.2432, 2.7887

Background



This preview shows how black text looks on a background with the XYZ color 25.7570, 13.2432, 2.7887.



This preview shows how white text looks on a background with the XYZ color 25.7570, 13.2432,

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

25.7570, 13.2432, 2.7887

Protanopia

12.7344, 13.8310, 5.7399

Deuteranopia

14.0568, 13.8609, 2.3500



Tritanopia

25.3931, 13.4117, 1.2504

Trichromacy



Original Color

25.7570, 13.2432, 2.7887

Protanomaly

14.6945, 10.4057, 4.0303

Deuteranomaly

16.2204, 10.9839, 2.0242

Tritanomaly

25.3692, 13.2475, 1.6007

Monochromacy



Original Color

25.7570, 13.2432, 2.7887

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.8537, 5.7137, 4.2506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7570, 13.2432, 2.7887 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(206, 0, 35)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 35)  
}
```

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(206, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 25.7570, 13.2432, 2.7887 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(206, 0, 35) }
```


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

```
.border{ border-color:rgb(206, 0, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 0, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(206, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.7570, 13.2432, 2.7887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 35) }
```

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

```
.background{ background-color: rgb(206, 0,  
35) }
```

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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