

Converting Colors

XYZ(25.0226, 14.3171, 4.0735)

Have a look what the booklet for
XYZ(25.0226, 14.3171, 4.0735)
contains.

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Color

**XYZ(25.0233, 14.2934,
4.0248)**

Conversions

Conversions Part 1

Format	Color
Hex	C72E2E
RGB	199, 46, 46
RGB Percent	78%, 18%, 18%
CMY	0.2196, 0.8196, 0.8196
CMYK	0.00, 0.77, 0.77, 0.22
HSL	0°, 62%, 48%
HSV	0°, 77%, 78%
XYZ	25.0233, 14.2934, 4.0248
YIQ	91.7470, 91.1880, 32.4360

Conversions

Conversions Part 2

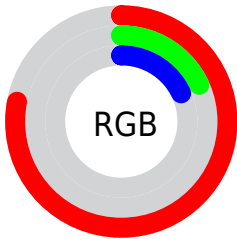
Format	Color
RYB	199, 46, 46
Decimal	13053486
CIELab	44.65, 59.03, 37.95
CIELCh	45, 70.177, 32.734
Yxy	14.2934, 0.5774, 0.3298
Android (android.graphics.Color)	4291243566 (0xFFC72E2E)
YUV	91.7470, -22.5533, 94.0609
Hunter-Lab	37.8066, 51.9833, 20.1528

Details

The XYZ color **25.0233, 14.2934, 4.0248** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31.8558, 45.5451, 61.1444**, and the grayscale version is **10.1513, 10.6799, 11.6304**.

A 20% lighter version of the original color is **48.2674, 32.1535, 14.0182**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.1125, 12.9609, 2.2140**, and if you desaturate by 10%, it is **26.4764, 16.4202, 6.9129**.

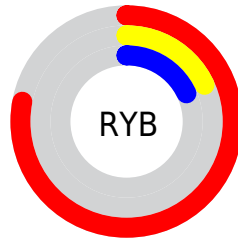
Distribution



Red (78%)

Green (18%)

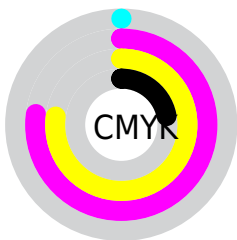
Blue (18%)



Red (78%)

Yellow (18%)

Blue (18%)

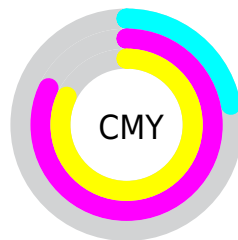


Cyan (0%)

Magenta (77%)

Yellow (77%)

Black (22%)



Cyan (22%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0233, 14.2934, 4.0248 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 25.0233, 14.2934, 4.0248 by changing the saturation by 10% instead.


 25.0233, 14.2934,
4.0248

 25.0233, 14.2934,
4.0248


270.2995,
219.0485, 148.5006


 16.2232, 8.3250,
1.6390


 51.1376, 33.6087,
14.0669


 9.7741, 4.3036,
0.3184


 69.1826, 47.7244,
22.5603

 5.3106, 1.8448,
0.0000

 91.0400, 65.3247,
33.9265

 2.4672, 0.5149,
0.0000

 117.0750, 86.7940,
48.5843

 0.8788, 0.0000,
0.0000

 147.6531,
112.5166, 66.9520

 0.0000, 0.0000,
0.0000

 183.1397,

142.8770, 89.4483

223.9000,
178.2595, 116.4916

■ 25.0233, 14.2934,
4.0248

■ 25.0233, 14.2934,
4.0248

■ 24.1125, 12.9609,
2.2140

■ 26.4764, 16.4202,
6.9129

■ 23.6544, 12.2905,
1.3036

■ 28.5373, 19.4359,
11.0094

■ 23.5531, 12.1423,
1.1023

■ 31.2629, 23.4244,
16.4277

■ 34.7037, 28.4593,
23.2678

■ 38.9051, 34.6071,
31.6201

■ 43.9089, 41.9290,
41.5674

■ 49.7537, 50.4815,
53.1868

■ 56.4756, 60.3176,
66.5501

■ 64.1088, 71.4870,
81.7251

Harmonies

Analogous

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



27.7058, 14.2934, 14.1161



25.0233, 14.2934, 4.0248



19.2394, 14.2934, 1.0222

Triad

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



25.0233, 14.2934, 4.0248



5.9964, 14.2934, 5.1695



14.1139, 14.2934, 72.5286

Complementary

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



25.0233, 14.2934, 4.0248



31.8558, 45.5451, 61.1444

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.



9.1643, 14.2934, 63.3330



25.0233, 14.2934, 4.0248



5.3256, 14.2934, 17.1057

Square

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



25.0233, 14.2934, 4.0248



8.4866, 14.2934, 1.2852



6.3040, 14.2934, 39.3981



20.4017, 14.2934, 59.5999

Rectangle

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



25.0233, 14.2934, 4.0248



15.0168, 14.2934, 0.5153



6.3040, 14.2934, 39.3981



12.2481, 14.2934, 71.9277

Sweetspot

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



25.0236, 14.2943, 4.0250



71.0637, 64.9016, 61.2155



34.8387, 18.2195, 55.7128



14.5602, 12.9399, 11.8097



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.



25.0236, 14.2943, 4.0250



41.6275, 21.8272, 2.6997



31.0672, 26.3814, 6.0395



10.6340, 10.6371, 11.0555



15.1454, 7.8079, 0.7088



0.7172, 0.3698, 0.0336

Inverse Universe

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



31.8558, 45.5451, 61.1444



54.1006, 78.8808, 106.9819



18.4565, 18.7465, 56.6780



10.9467, 12.0674, 13.6698



19.7592, 28.9123, 39.2836



0.9356, 1.3690, 1.8601

Previews

White Background



This preview shows how the XYZ color 25.0233, 14.2934, 4.0248 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 25.0233, 14.2934, 4.0248 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 25.0233, 14.2934, 4.0248

Background



This preview shows how black text looks on a background with the XYZ color 25.0233, 14.2934, 4.0248.



This preview shows how white text looks on a background with the XYZ color 25.0233, 14.2934,

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

25.0233, 14.2934, 4.0248

Protanopia

13.3856, 14.5986, 6.9628

Deuteranopia

14.6299, 14.4153, 3.6015



Tritanopia

25.0433, 14.3013, 4.1298

Trichromacy



Original Color

25.0233, 14.2934, 4.0248

Protanomaly

15.8411, 12.9034, 5.5266

Deuteranomaly

17.2133, 13.1994, 3.5600

Tritanomaly

25.0433, 14.3013, 4.1298

Monochromacy



Original Color

25.0233, 14.2934, 4.0248

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.1461, 10.3654, 7.9645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0233, 14.2934, 4.0248 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(199, 46, 46)` looks like.

```
.text, #text, p{  
    color:rgb(199, 46, 46)  
}
```

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(199, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 46, 46) }
```

Border

The CSS property to change the border of an element to XYZ 25.0233, 14.2934, 4.0248 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(199, 46, 46) }
```


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

```
.border{ border-color:rgb(199, 46, 46) }
```

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

Here you see how a box with a 4 pixel rgb(199, 46, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(199, 46,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0233, 14.2934, 4.0248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 46, 46) }
```

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

```
.background{ background-color: rgb(199, 46,  
46) }
```

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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