

# Converting Colors

XYZ(24.7092, 13.5969, 2.8355)

Have a look what the booklet for  
XYZ(24.7092, 13.5969, 2.8355)  
contains.

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# Color

**XYZ(24.7092, 13.5969,  
2.8355)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C82322
RGB	200, 35, 34
RGB Percent	78%, 14%, 13%
CMY	0.2157, 0.8627, 0.8667
CMYK	0.00, 0.82, 0.83, 0.22
HSL	0°, 71%, 46%
HSV	0°, 83%, 78%
XYZ	24.7092, 13.5969, 2.8355
YIQ	84.2210, 98.6610, 34.6690

# Conversions

## Conversions Part 2

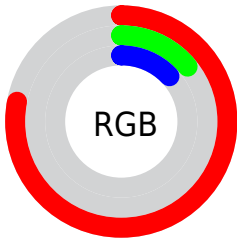
<b>Format</b>	<b>Color</b>
<b>RYB</b>	200, 35, 34
Decimal	13116194
CIELab	43.65, 62.00, 43.56
CIElCh	44, 75.777, 35.091
Yxy	13.5969, 0.6006, 0.3305
Android (android.graphics.Color)	4291306274 (0xFFC82322)
YUV	84.2210, -24.7590, 101.5382
Hunter-Lab	36.8740, 55.0832, 21.2526

# Details

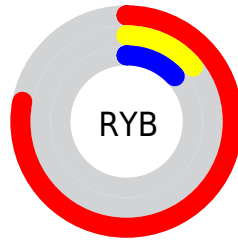
The XYZ color **24.7092, 13.5969, 2.8355** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31.5048, 45.3499, 61.7362**, and the grayscale version is **8.5092, 8.9524, 9.7492**.

A 20% lighter version of the original color is **47.0557, 30.5746, 11.0108**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.0713, 12.6565, 1.5897**, and if you desaturate by 10%, it is **25.8462, 15.2678, 5.0748**.

# Distribution



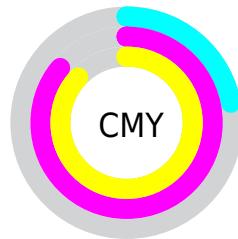
- Red (78%)
- Green (14%)
- Blue (13%)



- Red (78%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (82%)
- Yellow (83%)
- Black (22%)




- Cyan (22%)
- Magenta (86%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7092, 13.5969, 2.8355 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 24.7092, 13.5969, 2.8355 by changing the saturation by 10% instead.





 24.7092, 13.5969,  
2.8355

 24.7092, 13.5969,  
2.8355


268.7611,  
214.7085, 134.2371


 15.9881, 7.8408,  
1.0113


 50.6314, 32.3721,  
11.2198


 9.6065, 3.9933,  
0.0000


 68.5631, 46.1599,  
18.6169

 5.1991, 1.6698,  
0.0000

 90.2959, 63.3939,  
28.7087

 2.4005, 0.4040,  
0.0000

 116.1949, 84.4583,  
41.9137

 0.8454, 0.0000,  
0.0000

 146.6256,  
109.7376, 58.6505

 0.0000, 0.0000,  
0.0000

 181.9532,

139.6161, 79.3377

222.5433,  
174.4783, 104.3937

24.7092, 13.5969,  
2.8355

24.7092, 13.5969,  
2.8355

24.0713, 12.6565,  
1.5897

25.8462, 15.2678,  
5.0748

23.8325, 12.3058,  
1.1191

27.5559, 17.7748,  
8.4571

29.9003, 21.2086,  
13.1075

32.9334, 25.6478,  
19.1344

36.7033, 31.1625,  
26.6348

■ 41.2541, 37.8165,  
35.6969

■ 46.6260, 45.6688,  
46.4019

■ 52.8568, 54.7742,  
58.8255

■ 59.9817, 65.1841,  
73.0387

# Harmonies

## Analogous

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



27.9731, 13.5969, 12.0866



24.7092, 13.5969, 2.8355



18.3583, 13.5969, 0.4565

# Triad

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



24.7092, 13.5969, 2.8355



5.0832, 13.5969, 4.8564



13.9641, 13.5969, 77.1752

# Complementary

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



24.7092, 13.5969, 2.8355



31.5048, 45.3499, 61.7362

# 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.



8.6834, 13.5969, 68.7387



24.7092, 13.5969, 2.8355



4.5562, 13.5969, 17.9025

# Square

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



24.7092, 13.5969, 2.8355



7.4047, 13.5969, 0.9266



5.6472, 13.5969, 42.7111



20.6681, 13.5969, 60.9696



# Rectangle

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



24.7092, 13.5969, 2.8355



13.9262, 13.5969, 0.0000



5.6472, 13.5969, 42.7111



11.9700, 13.5969, 77.2024

# Sweetspot

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



24.7095, 13.5977, 2.8357



69.4421, 62.5739, 57.8526



34.8166, 17.5935, 56.2041



14.2535, 12.5015, 11.1681



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.



24.7095, 13.5977, 2.8357



41.2569, 21.2938, 1.9356



30.4693, 25.1173, 4.7556



10.6390, 10.6471, 11.0571



15.1561, 7.8293, 0.7124



0.7195, 0.3744, 0.0344



# Inverse Universe

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



31.5048, 45.3499, 61.7362



53.3146, 77.7493, 106.8049



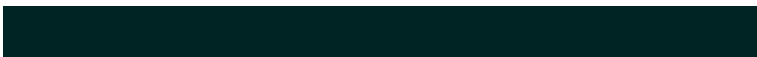
17.4462, 17.2328, 57.0500



10.9410, 12.0560, 13.6679



19.5848, 28.5635, 39.2254



0.9292, 1.3562, 1.8579



# Previews

## White Background



This preview shows how the XYZ color 24.7092, 13.5969, 2.8355 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 24.7092, 13.5969, 2.8355 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 24.7092, 13.5969, 2.8355**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.7092, 13.5969, 2.8355.



This preview shows how white text looks on a background with the XYZ color 24.7092, 13.5969,



# 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

24.7092, 13.5969, 2.8355

### Protanopia

12.6181, 13.7845, 5.1276

### Deuteranopia

14.0638, 13.8637, 2.3867



## Tritanopia

24.7092, 13.5969, 2.8355

# Trichromacy



## Original Color

24.7092, 13.5969, 2.8355

## Protanomaly

15.1237, 11.8924, 3.9810

## Deuteranomaly

16.6339, 12.3949, 2.2748

## Tritanomaly

24.7092, 13.5969, 2.8355

# Monochromacy



## Original Color

24.7092, 13.5969, 2.8355

## Achromatopsia

8.4267, 8.8656, 9.6546

## Achromatomaly

11.5358, 8.7254, 6.2304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.7092, 13.5969, 2.8355 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(200, 35, 34)` looks like.

```
.text, #text, p{  
    color:rgb(200, 35, 34)  
}
```

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(200, 35, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 35, 34) }
```

## Border

The CSS property to change the border of an element to XYZ 24.7092, 13.5969, 2.8355 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(200, 35, 34) }
```



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

```
.border{ border-color:rgb(200, 35, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 35, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 35, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 35, 34);  
box-shadow:4px 4px 4px 4px rgb(200, 35,  
34) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.7092, 13.5969, 2.8355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 35, 34) }
```

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

```
.background{ background-color: rgb(200, 35,  
34) }
```

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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