

# Converting Colors

XYZ(34.4189, 24.0374, 14.1340)

Have a look what the booklet for  
XYZ(34.4189, 24.0374, 14.1340)  
contains.

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# Color

**XYZ(34.2569, 23.8946,  
14.1158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D66261
RGB	214, 98, 97
RGB Percent	84%, 38%, 38%
CMY	0.1608, 0.6157, 0.6196
CMYK	0.00, 0.54, 0.55, 0.16
HSL	1°, 59%, 61%
HSV	1°, 55%, 84%
XYZ	34.2569, 23.8946, 14.1158
YIQ	132.5700, 69.4570, 24.2810

# Conversions

## Conversions Part 2

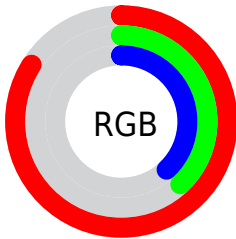
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 98, 97
Decimal	14049889
CIE <sub>Lab</sub>	55.98, 45.56, 22.88
CIE <sub>LCh</sub>	56, 50.984, 26.670
Yxy	23.8946, 0.4740, 0.3306
Android (android.graphics.Color)	4292239969 (0xFFD66261)
YUV	132.5700, -17.5360, 71.4141
Hunter-Lab	48.8821, 39.5503, 17.0962

# Details

The XYZ color **34.2569, 23.8946, 14.1158** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **40.8598, 54.9814, 72.0769**, and the grayscale version is **22.1829, 23.3382, 25.4153**.

A 20% lighter version of the original color is **57.8135, 45.8546, 33.8207**, and **14.8624, 8.9858, 4.0831** is the 20% darker color. If you saturate the color by 10%, you get **31.6614, 20.0910, 8.9741**, and if you desaturate by 10%, it is **37.6487, 28.8605, 20.8509**.

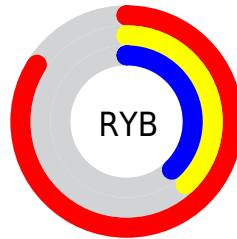
# Distribution



Red (84%)

Green (38%)

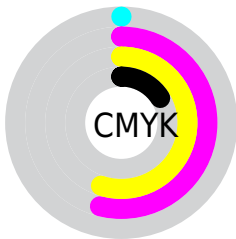
Blue (38%)



Red (84%)

Yellow (38%)

Blue (38%)

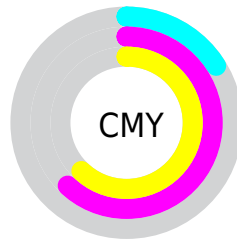


Cyan (0%)

Magenta (54%)

Yellow (55%)

Black (16%)



Cyan (16%)

Magenta (62%)

Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2569, 23.8946, 14.1158 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 34.2569, 23.8946, 14.1158 by changing the saturation by 10% instead.





 34.2569, 23.8946,  
14.1158


 34.2569, 23.8946,  
14.1158


312.8418,  
272.2872, 229.4035


 23.2548, 15.2555,  
8.0616


 65.6746, 49.8581,  
34.0144


 14.9035, 8.9989,  
4.0460


 86.8210, 67.9513,  
48.6959

 8.8376, 4.7404,  
1.6506


 112.0795, 89.9647,  
67.0903

 4.6917, 2.0958,  
0.3266

 141.8155,  
116.2825, 89.6160

 2.1004, 0.6623,  
0.0000

176.3944,  
147.2893, 116.6916

 0.6894, 0.0000,  
0.0000

216.1815,

 0.0000, 0.0000,

183.3694, 148.7357

0.0000

261.5422,  
224.9072, 186.1668

■ 34.2569, 23.8946,  
14.1158

■ 34.2569, 23.8946,  
14.1158

■ 31.6614, 20.0910,  
8.9741

■ 37.6487, 28.8605,  
20.8509

■ 29.7957, 17.3517,  
5.2936

■ 41.8927, 35.0684,  
29.2948

■ 28.5855, 15.5695,  
2.9228

■ 47.0417, 42.5956,  
39.5534

■ 27.9399, 14.6127,  
1.6769

■ 53.1439, 51.5120,  
51.7238

■ 27.7514, 14.3360,  
1.3045

■ 60.2440, 61.8826,  
65.8963

■ 68.3837, 73.7682,  
82.1553

■ 77.6027, 87.2263,  
100.5805

■ 81.5414, 93.0361,  
108.2678

# Harmonies

## Analogous

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



35.8219, 23.8946, 27.9246



34.2569, 23.8946, 14.1158



29.4350, 23.8946, 7.3702

# Triad

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



34.2569, 23.8946, 14.1158



14.5822, 23.8946, 12.0766



22.0669, 23.8946, 72.9499

# Complementary

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



34.2569, 23.8946, 14.1158



40.8598, 54.9814, 72.0769

# 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.



17.0981, 23.8946, 63.0550



34.2569, 23.8946, 14.1158



13.2674, 23.8946, 24.1986

# Square

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



34.2569, 23.8946, 14.1158



18.0474, 23.8946, 6.5957



14.1035, 23.8946, 43.2260



28.1161, 23.8946, 66.4758



# Rectangle

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



34.2569, 23.8946, 14.1158



25.3915, 23.8946, 5.6270



14.1035, 23.8946, 43.2260



20.2263, 23.8946, 71.3516

# Sweetspot

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



34.2575, 23.8959, 14.1162



77.5894, 74.4978, 74.0424



44.1437, 27.7006, 66.6381



16.1875, 15.3323, 15.0107



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.



34.2575, 23.8959, 14.1162



46.4500, 28.9470, 12.0918



41.6939, 38.7687, 16.5950



12.4318, 12.4377, 12.9062



16.7779, 8.6730, 0.7898



1.0150, 0.5293, 0.0487



# Inverse Universe

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



40.8598, 54.9814, 72.0769



57.2523, 79.8314, 106.9992



28.8721, 31.0059, 68.0810



12.7826, 14.0887, 15.9832



21.5952, 31.4521, 43.3858



1.3055, 1.9031, 2.6178



# Previews

## White Background



This preview shows how the XYZ color 34.2569, 23.8946, 14.1158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

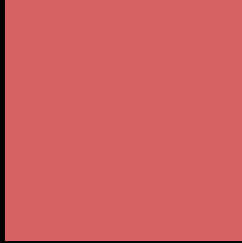
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.2569, 23.8946, 14.1158 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.2569, 23.8946, 14.1158**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2569, 23.8946, 14.1158.



This preview shows how white text looks on a background with the XYZ color 34.2569, 23.8946,



# 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

34.2569, 23.8946, 14.1158

### Protanopia

22.6611, 23.9932, 19.0596

### Deuteranopia

24.4800, 24.0503, 13.4772



## Tritanopia

34.5049, 23.8450, 15.8806

# Trichromacy



## Original Color

34.2569, 23.8946, 14.1158

## Protanomaly

25.6397, 23.0611, 17.0098

## Deuteranomaly

27.3212, 23.4683, 13.6795

## Tritanomaly

34.3552, 23.7851, 15.0922

# Monochromacy



## Original Color

34.2569, 23.8946, 14.1158

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

25.0069, 22.4704, 20.7885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2569, 23.8946, 14.1158 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(214, 98, 97)` looks like.

```
.text, #text, p{  
    color:rgb(214, 98, 97)  
}
```

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(214, 98, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 98, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2569, 23.8946, 14.1158 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(214, 98, 97) }
```



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

```
.border{ border-color:rgb(214, 98, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 98, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 98, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 98, 97);  
box-shadow:4px 4px 4px 4px rgb(214, 98,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2569, 23.8946, 14.1158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 98, 97) }
```

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

```
.background{ background-color: rgb(214, 98,  
97) }
```

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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