

# Converting Colors

XYZ(33.1574, 23.4426, 13.8683)

Have a look what the booklet for  
XYZ(33.1574, 23.4426, 13.8683)  
contains.

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# Color

**XYZ(33.1515, 23.4698,  
13.8492)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D26360
RGB	210, 99, 96
RGB Percent	82%, 39%, 38%
CMY	0.1765, 0.6117, 0.6235
CMYK	0.00, 0.53, 0.54, 0.18
HSL	2°, 56%, 60%
HSV	2°, 54%, 82%
XYZ	33.1515, 23.4698, 13.8492
YIQ	131.8470, 67.1190, 22.5990

# Conversions

## Conversions Part 2

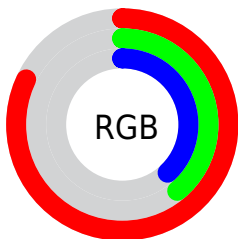
Format	Color
R <sub>Y</sub> B	210, 99, 96
Decimal	13788000
CIE Lab	55.55, 43.54, 22.79
CIE LCh	56, 49.142, 27.624
Yxy	23.4698, 0.4704, 0.3330
Android (android.graphics.Color)	4291978080 (0xFFD26360)
YUV	131.8470, -17.6726, 68.5402
Hunter-Lab	48.4456, 37.3682, 16.9627

# Details

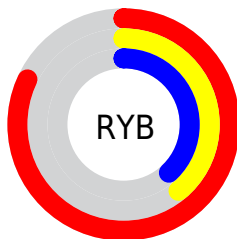
The XYZ color **33.1515, 23.4698, 13.8492** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.7682, 51.7628, 68.9205**, and the grayscale version is **21.9224, 23.0641, 25.1168**.

A 20% lighter version of the original color is **57.8977, 46.1490, 33.4599**, and **14.3547, 8.8426, 3.9678** is the 20% darker color. If you saturate the color by 10%, you get **30.6127, 19.7383, 8.8532**, and if you desaturate by 10%, it is **36.4400, 28.2877, 20.3694**.

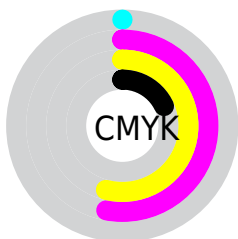
# Distribution



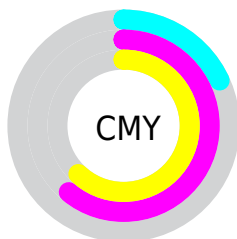
- Red (82%)
- Green (39%)
- Blue (38%)



- Red (82%)
- Yellow (39%)
- Blue (38%)



- Cyan (0%)
- Magenta (53%)
- Yellow (54%)
- Black (18%)




- Cyan (18%)
- Magenta (61%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1515, 23.4698, 13.8492 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 33.1515, 23.4698, 13.8492 by changing the saturation by 10% instead.





 33.1515, 23.4698,  
13.8492


 33.1515, 23.4698,  
13.8492


307.9848,  
270.1289, 227.6864

 22.4023, 14.9408,  
7.8783


 63.9651, 49.1636,  
33.5345

 14.2711, 8.7778,  
3.9305


 84.7602, 67.0972,  
48.0860

 8.3924, 4.5966,  
1.5873


 109.6347, 88.9344,  
66.3347

 4.4010, 2.0126,  
0.2817

 138.9538,  
115.0596, 88.6992

 1.9314, 0.6148,  
0.0000

173.0831,  
145.8573, 115.5981

 0.5950, 0.0000,  
0.0000

212.3878,

 0.0000, 0.0000,

181.7118, 147.4499

0.0000

257.2332,  
223.0075, 184.6732

■ 33.1515, 23.4698,  
13.8492

■ 33.1515, 23.4698,  
13.8492

■ 30.6127, 19.7383,  
8.8532

■ 36.4400, 28.2877,  
20.3694

■ 28.7629, 17.0056,  
5.2566

■ 40.5291, 34.2633,  
28.5224

■ 27.5353, 15.1765,  
2.9170

■ 45.4671, 41.4664,  
38.4087

■ 26.8485, 14.1359,  
1.6613

■ 51.2981, 49.9600,  
50.1200

■ 26.6384, 13.8218,  
1.2639

■ 58.0631, 59.8030,  
63.7417

■ 65.8007, 71.0506,  
79.3538

■ 74.5471, 83.7548,  
97.0318

■ 80.3883, 92.4416,  
108.2138

# Harmonies

## Analogous

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



34.7474, 23.4698, 26.8417



33.1515, 23.4698, 13.8492



28.5182, 23.4698, 7.4670

# Triad

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



33.1515, 23.4698, 13.8492



14.4593, 23.4698, 12.4421



21.8682, 23.4698, 69.8217

# Complementary

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



33.1515, 23.4698, 13.8492



38.7682, 51.7628, 68.9205

# 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.



17.0708, 23.4698, 60.9957



33.1515, 23.4698, 13.8492



13.2595, 23.4698, 24.3094

# Square

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



33.1515, 23.4698, 13.8492



17.7195, 23.4698, 6.9233



14.1307, 23.4698, 42.4906



27.6258, 23.4698, 63.2849



# Rectangle

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



33.1515, 23.4698, 13.8492



24.6717, 23.4698, 5.8265



14.1307, 23.4698, 42.4906



20.0991, 23.4698, 68.4946

# Sweetspot

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



33.1521, 23.4711, 13.8496



77.7739, 74.8667, 74.1039



42.1587, 26.6265, 62.6563



16.2307, 15.4186, 15.0251



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.



33.1521, 23.4711, 13.8496



47.0227, 29.9235, 12.8038



40.3944, 37.9557, 16.2637



11.8334, 11.8574, 12.2771



16.2606, 8.4541, 0.7748



0.9182, 0.4907, 0.0463



# Inverse Universe

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



38.7682, 51.7628, 68.9205



56.5756, 78.1197, 106.7045



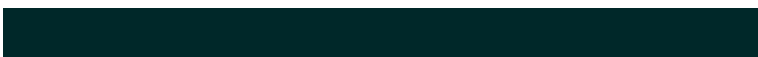
27.5396, 29.3055, 65.1776



12.1305, 13.3514, 15.1814



20.3468, 29.3402, 41.7833



1.1463, 1.6578, 2.3391



# Previews

## White Background



This preview shows how the XYZ color 33.1515, 23.4698, 13.8492 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 33.1515, 23.4698, 13.8492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

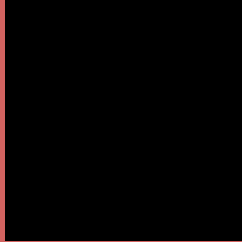
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 33.1515, 23.4698, 13.8492

## Background



This preview shows how black text looks on a background with the XYZ color 33.1515, 23.4698, 13.8492.



This preview shows how white text looks on a background with the XYZ color 33.1515, 23.4698,



# 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

33.1515, 23.4698, 13.8492

### Protanopia

22.2413, 23.5855, 18.4191

### Deuteranopia

24.1047, 23.6673, 13.1953



## Tritanopia

33.7303, 23.5837, 15.8710

# Trichromacy



## Original Color

33.1515, 23.4698, 13.8492

## Protanomaly

25.1648, 22.8223, 16.7145

## Deuteranomaly

26.6972, 22.9779, 13.3840

## Tritanomaly

33.5806, 23.5238, 15.0826

# Monochromacy



## Original Color

33.1515, 23.4698, 13.8492

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

24.5434, 22.2384, 20.4516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.1515, 23.4698, 13.8492 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(210, 99, 96)` looks like.

```
.text, #text, p{  
    color:rgb(210, 99, 96)  
}
```

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(210, 99, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 99, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 33.1515, 23.4698, 13.8492 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(210, 99, 96) }
```



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

```
.border{ border-color:rgb(210, 99, 96) }
```

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

Here you see how a box with a 4 pixel rgb(210, 99, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 99, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 99, 96);  
box-shadow:4px 4px 4px 4px rgb(210, 99,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.1515, 23.4698, 13.8492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 99, 96) }
```

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

```
.background{ background-color: rgb(210, 99,  
96) }
```

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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