

# Converting Colors

XYZ(36.0800, 24.8069, 13.5721)

Have a look what the booklet for  
XYZ(36.0800, 24.8069, 13.5721)  
contains.

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# Color

**XYZ(36.2069, 24.9157,  
13.4906)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD625E
RGB	221, 98, 94
RGB Percent	87%, 38%, 37%
CMY	0.1333, 0.6157, 0.6314
CMYK	0.00, 0.56, 0.57, 0.13
HSL	2°, 65%, 62%
HSV	2°, 57%, 87%
XYZ	36.2069, 24.9157, 13.4906
YIQ	134.3210, 74.5920, 24.8320

# Conversions

## Conversions Part 2

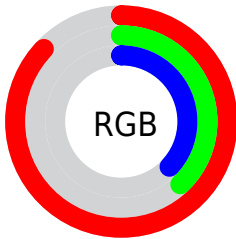
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 98, 94
Decimal	14508638
CIE <sub>Lab</sub>	56.99, 47.83, 26.14
CIE <sub>LCh</sub>	57, 54.509, 28.662
Yxy	24.9157, 0.4853, 0.3339
Android (android.graphics.Color)	4292698718 (0xFFDD625E)
YUV	134.3210, -19.8783, 76.0175
Hunter-Lab	49.9156, 42.1248, 18.9167

# Details

The XYZ color **36.2069, 24.9157, 13.4906** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **42.4783, 57.2223, 77.2125**, and the grayscale version is **22.8307, 24.0197, 26.1574**.

A 20% lighter version of the original color is **57.5023, 45.7301, 32.1816**, and **16.1321, 9.5918, 3.7975** is the 20% darker color. If you saturate the color by 10%, you get **33.6115, 21.0913, 8.4135**, and if you desaturate by 10%, it is **39.6227, 29.9269, 20.2419**.

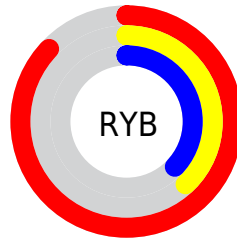
# Distribution



Red (87%)

Green (38%)

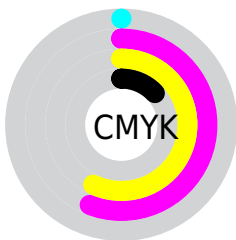
Blue (37%)



Red (87%)

Yellow (38%)

Blue (37%)

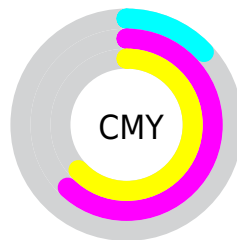


Cyan (0%)

Magenta (56%)

Yellow (57%)

Black (13%)



Cyan (13%)

Magenta (62%)

Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2069, 24.9157, 13.4906 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 36.2069, 24.9157, 13.4906 by changing the saturation by 10% instead.





 36.2069, 24.9157,  
13.4906


 36.2069, 24.9157,  
13.4906


321.2794,  
277.4179, 225.3555


 24.7649, 16.0143,  
7.6326


 68.6731, 51.5204,  
32.8864


 16.0298, 9.5342,  
3.7764


 90.4279, 69.9925,  
47.2613

 9.6362, 5.0913,  
1.5035


 116.3511, 92.4236,  
65.3121

 5.2188, 2.3009,  
0.2205

 146.8080,  
119.1981, 87.4575

 2.4123, 0.7742,  
0.0000

182.1639,  
150.7003, 114.1160

 0.8512, 0.0000,  
0.0000

222.7842,

 0.0000, 0.0000,

187.3148, 145.7062

0.0000

269.0343,  
229.4258, 182.6465

■ 36.2069, 24.9157,  
13.4906

■ 36.2069, 24.9157,  
13.4906

■ 33.6115, 21.0913,  
8.4135

■ 39.6227, 29.9269,  
20.2419

■ 31.7659, 18.3523,  
4.8633

■ 43.9180, 36.2076,  
28.7951

■ 30.5910, 16.5871,  
2.6693

■ 49.1486, 43.8375,  
39.2669

■ 29.9857, 15.6570,  
1.6025

■ 55.3650, 52.8888,  
51.7640

■ 29.8944, 15.5235,  
1.4207

■ 62.6144, 63.4286,  
66.3850

■ 70.9406, 75.5198,  
83.2223

■ 80.3851, 89.2213,  
102.3627

■ 83.6287, 94.1121,  
108.3655

# Harmonies

## Analogous

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



38.2410, 24.9157, 27.9605



36.2069, 24.9157, 13.4906



30.6772, 24.9157, 6.7856

# Triad

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



36.2069, 24.9157, 13.4906



14.6477, 24.9157, 12.6154



23.3954, 24.9157, 79.8317

# Complementary

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



36.2069, 24.9157, 13.4906



42.4783, 57.2223, 77.2125

# 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.



17.8396, 24.9157, 69.7483



36.2069, 24.9157, 13.4906



13.3848, 24.9157, 26.3141

# Square

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



36.2069, 24.9157, 13.4906



18.2550, 24.9157, 6.4640



14.4400, 24.9157, 47.7922



30.0894, 24.9157, 71.3045



# Rectangle

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



36.2069, 24.9157, 13.4906



26.1848, 24.9157, 5.1664



14.4400, 24.9157, 47.7922



21.3433, 24.9157, 78.4469

# Sweetspot

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



36.2075, 24.9171, 13.4910



76.8782, 73.5932, 72.2091



46.5923, 28.4860, 69.9798



16.0562, 15.1715, 14.6525



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.



36.2075, 24.9171, 13.4910



45.8703, 28.2596, 10.4437



44.3436, 41.1893, 16.2031



13.0888, 13.1170, 13.5676



17.3816, 9.0487, 0.8305



1.1379, 0.6100, 0.0578



# Inverse Universe

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



42.4783, 57.2223, 77.2125



55.2933, 76.9137, 106.5393



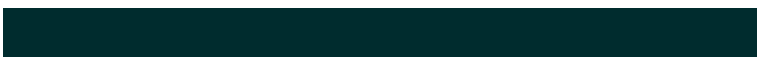
29.4526, 31.1708, 72.8706



13.4078, 14.7554, 16.7935



21.5712, 31.0119, 44.5874



1.4088, 2.0317, 2.8923



# Previews

## White Background



This preview shows how the XYZ color 36.2069, 24.9157, 13.4906 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

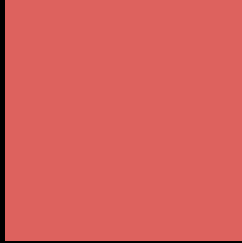
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2069, 24.9157, 13.4906 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 36.2069, 24.9157, 13.4906**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2069, 24.9157, 13.4906.



This preview shows how white text looks on a background with the XYZ color 36.2069, 24.9157,



# 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

36.2069, 24.9157, 13.4906

### Protanopia

23.6690, 25.1500, 18.6459

### Deuteranopia

25.3948, 24.9365, 12.7073



## Tritanopia

36.8471, 25.0583, 15.7266

# Trichromacy



## Original Color

36.2069, 24.9157, 13.4906

## Protanomaly

26.8663, 24.0701, 16.5946

## Deuteranomaly

28.4499, 24.2461, 12.8534

## Tritanomaly

36.6991, 24.9991, 14.9476

# Monochromacy



## Original Color

36.2069, 24.9157, 13.4906

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

25.8930, 23.1136, 20.5494

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2069, 24.9157, 13.4906 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(221, 98, 94)` looks like.

```
.text, #text, p{  
    color:rgb(221, 98, 94)  
}
```

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(221, 98, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 98, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2069, 24.9157, 13.4906 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(221, 98, 94) }
```



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

```
.border{ border-color:rgb(221, 98, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 98, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 98, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 98, 94);  
box-shadow:4px 4px 4px 4px rgb(221, 98,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2069, 24.9157, 13.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 98, 94) }
```

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

```
.background{ background-color: rgb(221, 98,  
94) }
```

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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