

# Converting Colors

XYZ(36.9999, 26.3452, 15.9706)

Have a look what the booklet for  
XYZ(36.9999, 26.3452, 15.9706)  
contains.

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# Color

**XYZ(37.0150, 26.2981,  
15.9571)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC6967
RGB	220, 105, 103
RGB Percent	86%, 41%, 40%
CMY	0.1373, 0.5882, 0.5961
CMYK	0.00, 0.52, 0.53, 0.14
HSL	1°, 63%, 63%
HSV	1°, 53%, 86%
XYZ	37.0150, 26.2981, 15.9571
YIQ	139.1570, 69.1820, 23.7580

# Conversions

## Conversions Part 2

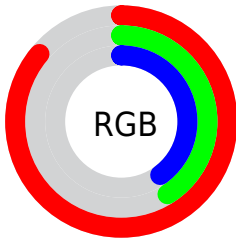
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 105, 103
Decimal	14444903
CIE <sub>Lab</sub>	58.32, 44.79, 22.69
CIE <sub>LCh</sub>	58, 50.211, 26.866
Yxy	26.2981, 0.4669, 0.3318
Android (android.graphics.Color)	4292634983 (0xFFDC6967)
YUV	139.1570, -17.8254, 70.8993
Hunter-Lab	51.2817, 39.0980, 17.4482

# Details

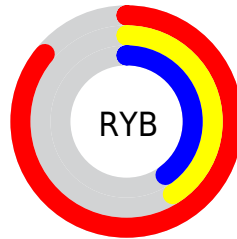
The XYZ color **37.0150, 26.2981, 15.9571** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **43.5816, 58.1903, 76.6448**, and the grayscale version is **24.6498, 25.9335, 28.2416**.

A 20% lighter version of the original color is **59.4709, 48.3894, 36.7775**, and **16.4390, 10.2151, 4.8467** is the 20% darker color. If you saturate the color by 10%, you get **34.1231, 22.0552, 10.2434**, and if you desaturate by 10%, it is **40.7585, 31.7796, 23.3882**.

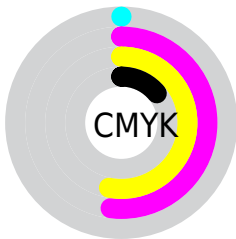
# Distribution



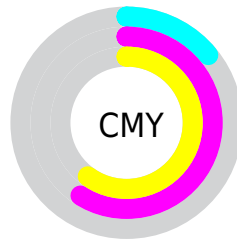
- Red (86%)
- Green (41%)
- Blue (40%)



- Red (86%)
- Yellow (41%)
- Blue (40%)



- Cyan (0%)
- Magenta (52%)
- Yellow (53%)
- Black (14%)




- Cyan (14%)
- Magenta (59%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0150, 26.2981, 15.9571 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 37.0150, 26.2981, 15.9571 by changing the saturation by 10% instead.





 37.0150, 26.2981,  
15.9571

 37.0150, 26.2981,  
15.9571


324.7299,  
284.2424, 240.9255


 25.3928, 17.0468,  
9.3398


 69.9095, 53.7555,  
37.2895

 16.5003, 10.2679,  
4.8636


 91.9126, 72.7303,  
52.8416

 9.9719, 5.5769,  
2.1101


 118.1067, 95.7151,  
72.2091

 5.4425, 2.5896,  
0.6218

 148.8572,  
123.0943, 95.8104

 2.5465, 0.9214,  
0.0000

184.5294,  
155.2522, 124.0642

 0.9188, 0.0000,  
0.0000

225.4886,

 0.0000, 0.0000,

192.5732, 157.3889

0.0000

272.1004,  
235.4418, 196.2032

■ 37.0150, 26.2981,  
15.9571

■ 37.0150, 26.2981,  
15.9571

■ 34.1231, 22.0552,  
10.2434

■ 40.7585, 31.7796,  
23.3882

■ 32.0143, 18.9508,  
6.1083

■ 45.4112, 38.5814,  
32.6576

■ 30.6125, 16.8761,  
3.3943


■ 51.0280, 46.7829,  
43.8771


■ 29.8261, 15.6996,  
1.9103

■ 57.6588, 56.4564,  
57.1489

■ 29.5561, 15.2975,  
1.3949

■ 65.3501, 67.6690,  
72.5684

 74.1456, 80.4837,  
90.2248

 83.3251, 93.9556,  
108.3513

# Harmonies

## Analogous

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



38.6642, 26.2981, 30.5143



37.0150, 26.2981, 15.9571



31.9863, 26.2981, 8.6840

# Triad

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



37.0150, 26.2981, 15.9571



16.3885, 26.2981, 13.8943



24.3584, 26.2981, 77.1117

# Complementary

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



37.0150, 26.2981, 15.9571



43.5816, 58.1903, 76.6448

# 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.



19.1057, 26.2981, 67.0834



37.0150, 26.2981, 15.9571



15.0005, 26.2981, 26.8329

# Square

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



37.0150, 26.2981, 15.9571



20.0514, 26.2981, 7.8795



15.9083, 26.2981, 46.6987



30.6922, 26.2981, 70.3824



# Rectangle

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



37.0150, 26.2981, 15.9571



27.7626, 26.2981, 6.7714



15.9083, 26.2981, 46.6987



22.4188, 26.2981, 75.5159

# Sweetspot

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



37.0156, 26.2995, 15.9576



77.6781, 74.6750, 74.0720



47.0269, 29.9808, 69.6721



16.2083, 15.3737, 15.0176



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.



37.0156, 26.2995, 15.9576



47.2192, 30.1415, 13.4086



45.1406, 42.5495, 18.6659



13.0739, 13.0871, 13.5626



17.3544, 8.9945, 0.8214



1.1308, 0.5956, 0.0554



# Inverse Universe

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



43.5816, 58.1903, 76.6448



57.3174, 79.2325, 106.8802



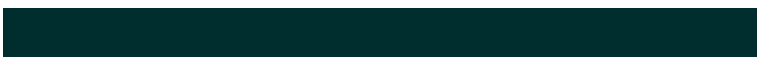
31.0048, 33.0369, 72.4526



13.4247, 14.7892, 16.7992



22.0364, 31.9423, 44.7424



1.4339, 2.0819, 2.9007



# Previews

## White Background



This preview shows how the XYZ color 37.0150, 26.2981, 15.9571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

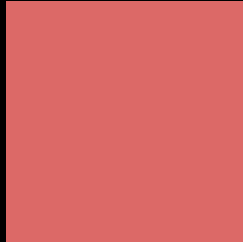
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.0150, 26.2981, 15.9571 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 37.0150, 26.2981, 15.9571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0150, 26.2981, 15.9571.



This preview shows how white text looks on a background with the XYZ color 37.0150, 26.2981,

15.9571.

# 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

37.0150, 26.2981, 15.9571

### Protanopia

24.9206, 26.3840, 21.2319

### Deuteranopia

27.0170, 26.5346, 15.2530



## Tritanopia

37.6384, 26.4205, 18.1548

# Trichromacy



## Original Color

37.0150, 26.2981, 15.9571

## Protanomaly

28.0256, 25.3697, 19.0425

## Deuteranomaly

30.0014, 25.9002, 15.4746

## Tritanomaly

37.4759, 26.3555, 17.2993

# Monochromacy



## Original Color

37.0150, 26.2981, 15.9571

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

27.5037, 25.0099, 23.1165

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0150, 26.2981, 15.9571 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(220, 105, 103)` looks like.

```
.text, #text, p{  
    color:rgb(220, 105, 103)  
}
```

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(220, 105, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 105, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0150, 26.2981, 15.9571 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(220, 105, 103) }
```



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

```
.border{ border-color:rgb(220, 105, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 105, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 105, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 105, 103);  
box-shadow:4px 4px 4px 4px rgb(220, 105,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0150, 26.2981, 15.9571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 105, 103) }
```

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

```
.background{ background-color: rgb(220,  
105, 103) }
```

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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