

# Converting Colors

XYZ(37.9353, 26.1785, 50.0673)

Have a look what the booklet for  
XYZ(37.9353, 26.1785, 50.0673)  
contains.

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# Color

**XYZ(37.9431, 26.1753,  
50.0662)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C86ABB
RGB	200, 106, 187
RGB Percent	78%, 42%, 73%
CMY	0.2157, 0.5843, 0.2667
CMYK	0.00, 0.47, 0.07, 0.22
HSL	308°, 46%, 60%
HSV	308°, 47%, 78%
XYZ	37.9431, 26.1753, 50.0662
YIQ	143.3400, 30.0230, 45.1190

# Conversions

## Conversions Part 2

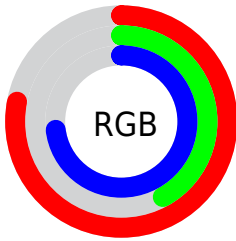
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">200, 106, 187</a>
Decimal	<a href="#">13134523</a>
CIELab	<a href="#">58.20, 48.32, -26.43</a>
CIELCh	<a href="#">58, 55.075, 331.319</a>
Yxy	<a href="#">26.1753, 0.3323, 0.2292</a>
Android (android.graphics.Color)	<a href="#">4291324603 (0xFFC86ABB)</a>
YUV	<a href="#">143.3400, 21.5244, 49.6908</a>
Hunter-Lab	<a href="#">51.1618, 42.8477, -22.2071</a>

# Details

The XYZ color **37.9431, 26.1753, 50.0662** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.9291, 45.7056, 24.6991**, and the grayscale version is **26.1533, 27.5153, 29.9642**.

A 20% lighter version of the original color is **69.9885, 52.8727, 91.3107**, and **17.0778, 10.1967, 23.6223** is the 20% darker color. If you saturate the color by 10%, you get **35.8242, 22.4064, 47.9130**, and if you desaturate by 10%, it is **40.5500, 30.9101, 52.4107**.

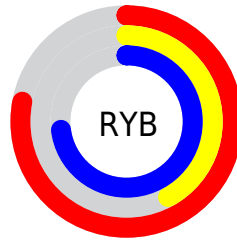
# Distribution



Red (78%)

Green (42%)

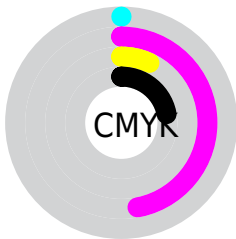
Blue (73%)



Red (78%)

Yellow (42%)

Blue (73%)

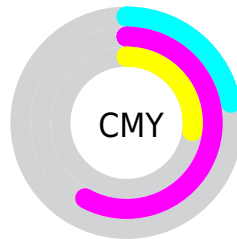


Cyan (0%)

Magenta (47%)

Yellow (7%)

Black (22%)



Cyan (22%)

Magenta (58%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9431, 26.1753, 50.0662 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 37.9431, 26.1753, 50.0662 by changing the saturation by 10% instead.





 37.9431, 26.1753,  
50.0662


 37.9431, 26.1753,  
50.0662

328.6609,  
283.6416, 403.6673


 26.1155, 16.9548,  
35.0945


 71.3254, 53.5576,  
91.6703


 17.0432, 10.2023,  
23.4515


 93.6108, 72.4882,  
119.1397

 10.3608, 5.5333,  
14.7188


 120.1129, 95.4244,  
151.6120

 5.7029, 2.5634,  
8.4779

 151.1970,  
122.7504, 189.5059

 2.7042, 0.9083,  
4.3101

187.2285,  
154.8508, 233.2398

 0.9994, 0.0000,  
1.7970

228.5728,

 0.0000, 0.0000,

192.1098, 283.2323

0.4259

275.5951,  
234.9119, 339.9020

■ 0.0000, 0.0000,  
0.0000

■ 37.9431, 26.1753,  
50.0662

■ 37.9431, 26.1753,  
50.0662

■ 35.8242, 22.4064,  
47.9130

■ 40.5500, 30.9101,  
52.4107

■ 34.1568, 19.5320,  
45.9381

■ 43.6730, 36.6683,  
54.9552

■ 32.9034, 17.4765,  
44.1291

■ 47.3411, 43.5076,  
57.7099

■ 32.0193, 16.1505,  
42.4708

■ 51.5803, 51.4799,  
60.6836

■ 31.4441, 15.4336,  
40.9430

■ 56.4152, 60.6339,  
63.8846

■ 31.2987, 15.2711,  
40.4987

■ 61.8685, 71.0157,  
67.3207

■ 67.9621, 82.6685,  
70.9992

■ 71.1044, 88.4094,  
73.7232

■ 71.4503, 88.5477,  
75.5444

# Harmonies

## Analogous

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



32.1752, 26.1753, 72.9255



37.9431, 26.1753, 50.0662



40.0662, 26.1753, 27.6614

# Triad

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



37.9431, 26.1753, 50.0662



24.5841, 26.1753, 5.2677



15.4355, 26.1753, 52.2338

# Complementary

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



37.9431, 26.1753, 50.0662



29.9291, 45.7056, 24.6991

# 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.



14.1152, 26.1753, 29.3563



37.9431, 26.1753, 50.0662



18.7784, 26.1753, 7.2028

# Square

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



37.9431, 26.1753, 50.0662



31.5707, 26.1753, 6.8693



15.2212, 26.1753, 14.2339



19.2065, 26.1753, 74.5224



# Rectangle

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



37.9431, 26.1753, 50.0662



38.8746, 26.1753, 17.1038



15.2212, 26.1753, 14.2339



14.7241, 26.1753, 44.0859

# Sweetspot

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



37.9440, 26.1765, 50.0667



83.9150, 78.9858, 101.3167



23.1245, 18.3686, 56.9709



17.6330, 16.2905, 21.4507



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.



37.9440, 26.1765, 50.0667



62.0877, 38.9051, 83.0234



33.7426, 24.4960, 27.9429



11.0176, 10.7904, 13.0758



19.9253, 9.7197, 25.8803



0.9613, 0.4674, 1.3195



# Inverse Universe

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



37.9440, 26.1765, 50.0667



62.0877, 38.9051, 83.0234



33.4394, 47.1097, 43.1842



11.0176, 10.7904, 13.0758



19.9253, 9.7197, 25.8803



0.9613, 0.4674, 1.3195



# Previews

## White Background



This preview shows how the XYZ color 37.9431, 26.1753, 50.0662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

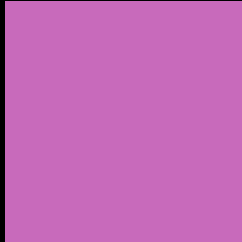
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9431, 26.1753, 50.0662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

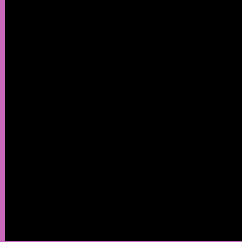
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.9431, 26.1753, 50.0662**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9431, 26.1753, 50.0662.



This preview shows how white text looks on a background with the XYZ color 37.9431, 26.1753,



# 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

37.9431, 26.1753, 50.0662

### Protanopia

28.0424, 26.5753, 65.9389

### Deuteranopia

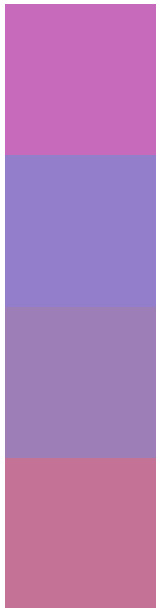
26.9447, 26.4187, 47.3952



## Tritanopia

32.4854, 26.0896, 23.7457

# Trichromacy



**Original Color**

37.9431, 26.1753, 50.0662

**Protanomaly**

30.0944, 25.3445, 59.8057

**Deuteranomaly**

29.9127, 25.5087, 48.1468

**Tritanomaly**

34.2071, 25.9403, 31.6378

# Monochromacy



**Original Color**

37.9431, 26.1753, 50.0662

**Achromatopsia**

26.1081, 27.4677, 29.9124

**Achromatomaly**

29.5505, 26.3610, 36.3316

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9431, 26.1753, 50.0662 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, 106, 187)` looks like.

```
.text, #text, p{  
    color:rgb(200, 106, 187)  
}
```

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, 106, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 106, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9431, 26.1753, 50.0662 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, 106, 187) }
```



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

```
.border{ border-color:rgb(200, 106, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 106, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 106, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 106, 187);  
box-shadow:4px 4px 4px 4px rgb(200, 106,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9431, 26.1753, 50.0662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 106, 187) }
```

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

```
.background{ background-color: rgb(200,  
106, 187) }
```

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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