

# Converting Colors

XYZ(37.7640, 26.4551, 32.3265)

Have a look what the booklet for  
XYZ(37.7640, 26.4551, 32.3265)  
contains.

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# Color

**XYZ(37.8913, 26.5395,  
32.4037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D46A97
RGB	212, 106, 151
RGB Percent	83%, 42%, 59%
CMY	0.1686, 0.5843, 0.4078
CMYK	0.00, 0.50, 0.29, 0.17
HSL	335°, 55%, 62%
HSV	335°, 50%, 83%
XYZ	37.8913, 26.5395, 32.4037
YIQ	142.8240, 48.7310, 36.4670

# Conversions

## Conversions Part 2

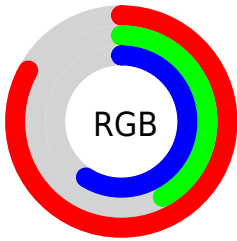
Format	Color
R <sub>Y</sub> B	212, 106, 151
Decimal	13920919
CIE Lab	58.55, 46.67, -5.00
CIE LCh	59, 46.941, 353.883
Yxy	26.5395, 0.3913, 0.2741
Android (android.graphics.Color)	4292110999 (0xFFD46A97)
YUV	142.8240, 4.0308, 60.6674
Hunter-Lab	51.5165, 41.1360, -1.2317

# Details

The XYZ color **37.8913, 26.5395, 32.4037** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.4637, 52.9418, 44.8589**, and the grayscale version is **26.0100, 27.3645, 29.7999**.

A 20% lighter version of the original color is **64.8303, 50.8094, 64.1479**, and **17.0909, 10.4349, 13.1699** is the 20% darker color. If you saturate the color by 10%, you get **35.0303, 22.3218, 26.8118**, and if you desaturate by 10%, it is **41.3964, 31.8807, 38.7167**.

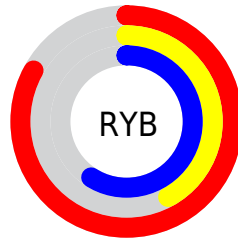
# Distribution



Red (83%)

Green (42%)

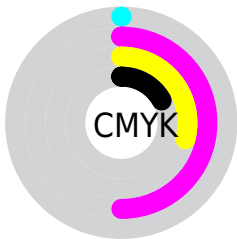
Blue (59%)



Red (83%)

Yellow (42%)

Blue (59%)

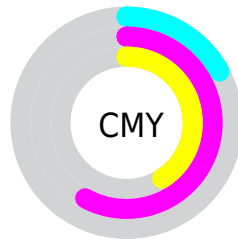


Cyan (0%)

Magenta (50%)

Yellow (29%)

Black (17%)



Cyan (17%)

Magenta (58%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8913, 26.5395, 32.4037 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 37.8913, 26.5395, 32.4037 by changing the saturation by 10% instead.





 37.8913, 26.5395,  
32.4037


 37.8913, 26.5395,  
32.4037


328.4424,  
285.4205, 327.5034

 26.0752, 17.2277,  
21.4027


 71.2465, 54.1440,  
64.5487


 17.0129, 10.3970,  
13.2246


 93.5162, 73.2055,  
86.5297

 10.3390, 5.6629,  
7.4508


 120.0012, 96.2857,  
113.0078

 5.6883, 2.6412,  
3.6629

 151.0668,  
123.7689, 144.4015

 2.6953, 0.9474,  
1.4423

187.0784,  
156.0396, 181.1294

 0.9948, 0.0000,  
0.1744

228.4013,

 0.0000, 0.0000,

193.4822, 223.6100

0.0000

275.4008,  
236.4810, 272.2618

■ 37.8913, 26.5395,  
32.4037

■ 37.8913, 26.5395,  
32.4037

■ 35.0303, 22.3218,  
26.8118

■ 41.3964, 31.8807,  
38.7167

■ 32.7674, 19.1415,  
21.9097

■ 45.5826, 38.4155,  
45.7772

■ 31.0539, 16.9060,  
17.6653


■ 50.4867, 46.2129,  
53.6116


■ 29.8315, 15.5043,  
14.0423


■ 56.1423, 55.3352,  
62.2447

■ 28.9968, 14.7353,  
10.9882


■ 62.5806, 65.8409,  
71.7000

 28.9966, 14.7351,  
10.9874

 69.8311, 77.7847,  
81.9998

 77.9216, 91.2186,  
93.1657

 79.9488, 92.3320,  
102.9084

 80.9614, 92.7371,  
108.2407

# Harmonies

## Analogous

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



35.2510, 26.5395, 51.8650



37.8913, 26.5395, 32.4037



36.7440, 26.5395, 17.8802

# Triad

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



37.8913, 26.5395, 32.4037



21.0086, 26.5395, 8.5384



19.2537, 26.5395, 62.7616

# Complementary

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



37.8913, 26.5395, 32.4037



36.4637, 52.9418, 44.8589

# 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.



16.4066, 26.5395, 43.7048



37.8913, 26.5395, 32.4037



17.3069, 26.5395, 13.9639

# Square

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



37.8913, 26.5395, 32.4037



26.4214, 26.5395, 7.4642



15.7521, 26.5395, 25.6529



24.0652, 26.5395, 73.1940



# Rectangle

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



37.8913, 26.5395, 32.4037



34.0615, 26.5395, 12.0371



15.7521, 26.5395, 25.6529



18.0664, 26.5395, 56.8696

# Sweetspot

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



37.8921, 26.5408, 32.4042



80.6946, 76.6394, 87.6210



32.7788, 23.1773, 65.0335



16.8868, 15.7838, 18.1635



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.



37.8921, 26.5408, 32.4042



52.9617, 33.5509, 40.2188



35.6665, 26.8643, 16.9429



12.6398, 12.5074, 14.0436



17.9489, 9.1159, 7.0347



1.1235, 0.5662, 0.6397



# Inverse Universe

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



37.8921, 26.5408, 32.4042



52.9617, 33.5509, 40.2188



39.6438, 51.4490, 70.1286



12.6398, 12.5074, 14.0436



17.9489, 9.1159, 7.0347



1.1235, 0.5662, 0.6397



# Previews

## White Background



This preview shows how the XYZ color 37.8913, 26.5395, 32.4037 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 37.8913, 26.5395, 32.4037 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 37.8913, 26.5395, 32.4037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8913, 26.5395, 32.4037.



This preview shows how white text looks on a background with the XYZ color 37.8913, 26.5395,



# 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

37.8913, 26.5395, 32.4037

### Protanopia

26.7524, 26.8416, 43.3061

### Deuteranopia

27.2708, 26.7389, 30.9179



## Tritanopia

35.4788, 26.4997, 21.0143

# Trichromacy



## Original Color

37.8913, 26.5395, 32.4037

## Protanomaly

29.4110, 25.8363, 39.0341

## Deuteranomaly

30.2617, 26.0585, 31.4518

## Tritanomaly

36.2510, 26.4922, 24.6756

# Monochromacy



## Original Color

37.8913, 26.5395, 32.4037

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

29.3194, 26.3654, 30.7379

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8913, 26.5395, 32.4037 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(212, 106, 151)` looks like.

```
.text, #text, p{  
    color:rgb(212, 106, 151)  
}
```

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(212, 106, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 106, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8913, 26.5395, 32.4037 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(212, 106, 151) }
```



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

```
.border{ border-color:rgb(212, 106, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 106, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 106, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 106, 151);  
box-shadow:4px 4px 4px 4px rgb(212, 106,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8913, 26.5395, 32.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 106, 151) }
```

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

```
.background{ background-color: rgb(212,  
106, 151) }
```

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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