

Converting Colors

XYZ(37.6790, 24.8808, 43.6497)

Have a look what the booklet for
XYZ(37.6790, 24.8808, 43.6497)
contains.

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Color

**XYZ(37.8433, 24.9494,
43.8954)**

Conversions

Conversions Part 1

Format	Color
Hex	CF61B0
RGB	207, 97, 176
RGB Percent	81%, 38%, 69%
CMY	0.1882, 0.6196, 0.3098
CMYK	0.00, 0.53, 0.15, 0.19
HSL	317°, 53%, 60%
HSV	317°, 53%, 81%
XYZ	37.8433, 24.9494, 43.8954
YIQ	138.8960, 40.2010, 47.8890

Conversions

Conversions Part 2

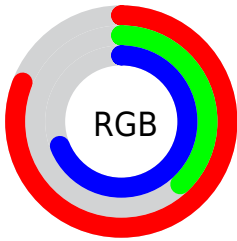
Format	Color
R _Y B	207, 97, 176
Decimal	13590960
CIE Lab	57.03, 53.07, -21.84
CIE LCh	57, 57.386, 337.631
Yxy	24.9494, 0.3547, 0.2339
Android (android.graphics.Color)	4291781040 (0xFFCF61B0)
YUV	138.8960, 18.2923, 59.7272
Hunter-Lab	49.9494, 47.8261, -17.1394

Details

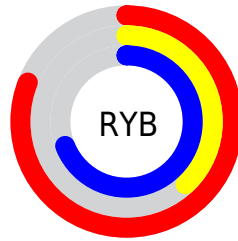
The XYZ color **37.8433, 24.9494, 43.8954** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.1401, 48.7264, 28.1881**, and the grayscale version is **24.4226, 25.6945, 27.9813**.

A 20% lighter version of the original color is **67.0337, 49.5427, 82.3736**, and **16.9808, 9.5700, 19.6911** is the 20% darker color. If you saturate the color by 10%, you get **35.6094, 21.3852, 40.3638**, and if you desaturate by 10%, it is **40.6026, 29.5238, 47.7250**.

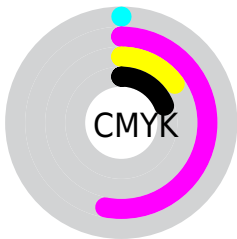
Distribution



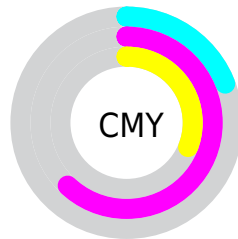
- Red (81%)
- Green (38%)
- Blue (69%)



- Red (81%)
- Yellow (38%)
- Blue (69%)



- Cyan (0%)
- Magenta (53%)
- Yellow (15%)
- Black (19%)



- Cyan (19%)
- Magenta (62%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8433, 24.9494, 43.8954 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 37.8433, 24.9494, 43.8954 by changing the saturation by 10% instead.

37.8433, 24.9494,
43.8954

37.8433, 24.9494,
43.8954

328.2398,
277.5859, 378.3101

26.0378, 16.0394,
30.2517

71.1733, 51.5751,
82.3611

16.9847, 9.5520,
19.7760

93.4285, 70.0596,
108.0202

10.3188, 5.1030,
12.0499

119.8977, 92.5043,
138.5215

5.6747, 2.3078,
6.6547

150.9461,
119.2937, 174.2836

2.6871, 0.7778,
3.1720

186.9392,
150.8122, 215.7249

0.9905, 0.0000,
1.1831

228.2422,

0.0000, 0.0000,

187.4441, 263.2641

0.0000

275.2207,
229.5739, 317.3197

■ 37.8433, 24.9494,
43.8954

■ 37.8433, 24.9494,
43.8954

■ 35.6094, 21.3852,
40.3638

■ 40.6026, 29.5238,
47.7250

■ 33.8584, 18.7482,
37.1138

■ 43.9206, 35.1758,
51.8645

■ 32.5452, 16.9479,
34.1291

■ 47.8305, 41.9710,
56.3267

■ 31.6142, 15.8740,
31.3897

■ 52.3624, 49.9690,
61.1230

■ 31.1301, 15.4246,
29.6286

■ 57.5441, 59.2250,
66.2642

■ 63.4017, 69.7908,
71.7602

■ 69.9600, 81.7154,
77.6208

■ 74.7675, 90.0956,
83.0301

■ 75.5663, 90.4151,
87.2369

Harmonies

Analogous

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



32.5470, 24.9494, 68.4785



37.8433, 24.9494, 43.8954



39.0314, 24.9494, 22.5255

Triad

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



37.8433, 24.9494, 43.8954



22.0327, 24.9494, 4.4769



14.8538, 24.9494, 56.7423

Complementary

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



37.8433, 24.9494, 43.8954



31.1401, 48.7264, 28.1881

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.



13.0416, 24.9494, 32.4029



37.8433, 24.9494, 43.8954



16.6434, 24.9494, 7.0894

Square

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



37.8433, 24.9494, 43.8954



28.9999, 24.9494, 5.2598



13.6282, 24.9494, 15.3398



19.1123, 24.9494, 78.0272

Rectangle

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



37.8433, 24.9494, 43.8954



37.1602, 24.9494, 13.3236



13.6282, 24.9494, 15.3398



13.9790, 24.9494, 48.2906

Sweetspot

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



37.8441, 24.9506, 43.8959



81.5907, 75.9558, 95.5520



24.1919, 17.5169, 61.1380



17.1358, 15.6783, 20.1071



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.



37.8441, 24.9506, 43.8959



56.5591, 33.4834, 63.8066



33.5622, 23.2378, 21.3476



12.1628, 11.9499, 14.1330



19.6555, 9.7350, 18.8896



1.1320, 0.5575, 1.2300

Inverse Universe

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



37.8441, 24.9506, 43.8959



56.5591, 33.4834, 63.8066



35.6183, 50.5177, 51.7703



12.1628, 11.9499, 14.1330



19.6555, 9.7350, 18.8896



1.1320, 0.5575, 1.2300

Previews

White Background



This preview shows how the XYZ color 37.8433, 24.9494, 43.8954 looks on a white background.

Color Contrast Check

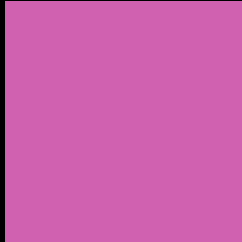
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8433, 24.9494, 43.8954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

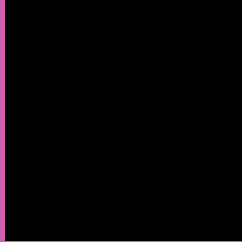
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8433, 24.9494, 43.8954

Background



This preview shows how black text looks on a background with the XYZ color 37.8433, 24.9494, 43.8954.



This preview shows how white text looks on a background with the XYZ color 37.8433, 24.9494,

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

37.8433, 24.9494, 43.8954

Protanopia

26.4935, 25.2464, 61.2343

Deuteranopia

25.6123, 25.0208, 41.5098



Tritanopia

32.9333, 24.8774, 20.2056

Trichromacy



Original Color

37.8433, 24.9494, 43.8954



Protanomaly

28.6076, 23.7728, 54.1198



Deuteranomaly

28.9817, 24.2304, 42.1792



Tritanomaly

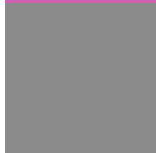
34.3404, 24.6637, 27.3767

Monochromacy



Original Color

37.8433, 24.9494, 43.8954



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

28.1850, 24.5748, 32.9637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8433, 24.9494, 43.8954 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(207, 97, 176)` looks like.

```
.text, #text, p{  
    color:rgb(207, 97, 176)  
}
```

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(207, 97, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 97, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.8433, 24.9494, 43.8954 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(207, 97, 176) }
```


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

```
.border{ border-color:rgb(207, 97, 176) }
```

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

Here you see how a box with a 4 pixel rgb(207, 97, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 97, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 97, 176);  
box-shadow:4px 4px 4px 4px rgb(207, 97,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8433, 24.9494, 43.8954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 97, 176) }
```

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

```
.background{ background-color: rgb(207, 97,  
176) }
```

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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