

Converting Colors

XYZ(37.8977, 22.3918, 42.1266)

Have a look what the booklet for
XYZ(37.8977, 22.3918, 42.1266)
contains.

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Color

**XYZ(37.8876, 22.3843,
42.3681)**

Conversions

Conversions Part 1

Format	Color
Hex	D64BAE
RGB	214, 75, 174
RGB Percent	84%, 29%, 68%
CMY	0.1608, 0.7059, 0.3176
CMYK	0.00, 0.65, 0.19, 0.16
HSL	317°, 63%, 57%
HSV	317°, 65%, 84%
XYZ	37.8876, 22.3843, 42.3681
YIQ	127.8470, 51.0650, 60.2570

Conversions

Conversions Part 2

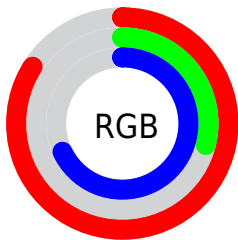
Format	Color
RYB	214, 75, 174
Decimal	14044078
CIELab	54.43, 64.39, -24.58
CIElCh	54, 68.922, 339.109
Yxy	22.3843, 0.3691, 0.2181
Android (android.graphics.Color)	4292234158 (0xFFD64BAE)
YUV	127.8470, 22.7534, 75.5562
Hunter-Lab	47.3120, 60.1471, -19.9760

Details

The XYZ color **37.8876, 22.3843, 42.3681** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **30.0439, 50.8275, 24.4492**, and the grayscale version is **20.3773, 21.4385, 23.3465**.

A 20% lighter version of the original color is **63.7742, 43.4757, 79.8933**, and **17.1615, 8.4484, 18.8154** is the 20% darker color. If you saturate the color by 10%, you get **36.0858, 19.7194, 38.8729**, and if you desaturate by 10%, it is **40.2063, 26.0383, 46.1718**.

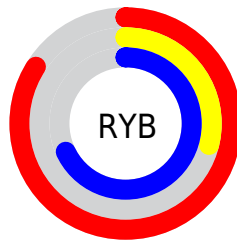
Distribution



Red (84%)

Green (29%)

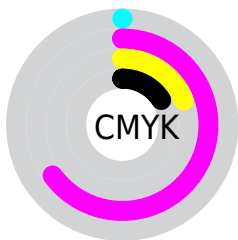
Blue (68%)



Red (84%)

Yellow (29%)

Blue (68%)

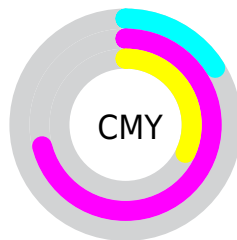


Cyan (0%)

Magenta (65%)

Yellow (19%)

Black (16%)



Cyan (16%)

Magenta (71%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8876, 22.3843, 42.3681 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 37.8876, 22.3843, 42.3681 by changing the saturation by 10% instead.

37.8876, 22.3843,
42.3681

37.8876, 22.3843,
42.3681

328.4268,
264.5467, 371.8512

26.0723, 14.1395,
29.0619

71.2408, 47.3803,
80.0325

17.0107, 8.2178,
18.8817

93.5095, 64.9004,
105.2278

10.3375, 4.2346,
11.4089

119.9932, 86.2811,
135.2233

5.6873, 1.8057,
6.2249

151.0575,
111.9067, 170.4374

2.6947, 0.4907,
2.9113

187.0676,
142.1617, 211.2887

0.9944, 0.0000,
1.0495

228.3890,

0.0000, 0.0000,

177.4304, 258.1957

0.0000

275.3869,
218.0973, 311.5770

■ 37.8876, 22.3843,
42.3681

■ 37.8876, 22.3843,
42.3681

■ 36.0858, 19.7194,
38.8729

■ 40.2063, 26.0383,
46.1718

■ 34.7473, 17.9378,
35.6659

■ 43.0843, 30.7665,
50.2994

■ 33.8097, 16.9154,
32.7249

■ 46.5617, 36.6486,
54.7661

■ 33.4332, 16.5768,
31.3216

■ 50.6746, 43.7557,
59.5857

■ 55.4558, 52.1531,
64.7707

60.9360, 61.9018,
70.3331

67.1438, 73.0584,
76.2840

74.1064, 85.6766,
82.6340

77.6944, 91.4973,
88.0082

Harmonies

Analogous

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



31.7874, 22.3843, 72.8370



37.8876, 22.3843, 42.3681



39.0300, 22.3843, 18.3756

Triad

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



37.8876, 22.3843, 42.3681



19.0631, 22.3843, 2.0704



11.8963, 22.3843, 61.0404

Complementary

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



37.8876, 22.3843, 42.3681



30.0439, 50.8275, 24.4492

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.



9.9356, 22.3843, 31.5504



37.8876, 22.3843, 42.3681



13.3817, 22.3843, 4.2711

Square

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



37.8876, 22.3843, 42.3681



26.8724, 22.3843, 2.5264



10.4063, 22.3843, 12.3673



16.5155, 22.3843, 87.3354

Rectangle

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



37.8876, 22.3843, 42.3681



36.6129, 22.3843, 9.2456



10.4063, 22.3843, 12.3673



10.9606, 22.3843, 50.6476

Sweetspot

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



37.8883, 22.3854, 42.3685



79.3296, 72.0222, 92.9841



21.6444, 13.4918, 65.0821



16.5446, 14.6520, 19.4280



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.



37.8883, 22.3854, 42.3685



52.8244, 28.1642, 55.9329



32.8044, 20.3518, 15.5970



12.7936, 12.5689, 14.8532



20.2551, 10.0384, 19.1792



1.2567, 0.6195, 1.3410

Inverse Universe

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



37.8883, 22.3854, 42.3685



52.8244, 28.1642, 55.9329



35.5887, 53.0454, 53.6475



12.7936, 12.5689, 14.8532



20.2551, 10.0384, 19.1792



1.2567, 0.6195, 1.3410

Previews

White Background



This preview shows how the XYZ color 37.8876, 22.3843, 42.3681 looks on a white background.

Color Contrast Check

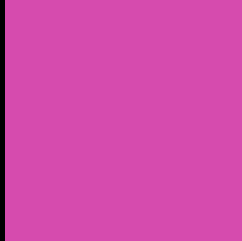
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8876, 22.3843, 42.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

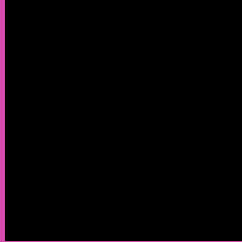
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8876, 22.3843, 42.3681

Background



This preview shows how black text looks on a background with the XYZ color 37.8876, 22.3843, 42.3681.



This preview shows how white text looks on a background with the XYZ color 37.8876, 22.3843,

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

37.8876, 22.3843, 42.3681

Protanopia

24.8332, 22.8291, 68.0634

Deuteranopia

23.0596, 22.5515, 39.2139



Tritanopia

32.1733, 22.3894, 14.9378

Trichromacy



Original Color

37.8876, 22.3843, 42.3681

Protanomaly

26.4925, 20.5576, 57.8300

Deuteranomaly

26.5347, 20.9699, 40.1852

Tritanomaly

33.9643, 22.2396, 22.9246

Monochromacy



Original Color

37.8876, 22.3843, 42.3681

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.8775, 20.3525, 29.4053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8876, 22.3843, 42.3681 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(214, 75, 174)` looks like.

```
.text, #text, p{  
    color:rgb(214, 75, 174)  
}
```

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(214, 75, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 75, 174) }
```

Border

The CSS property to change the border of an element to XYZ 37.8876, 22.3843, 42.3681 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(214, 75, 174) }
```


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

```
.border{ border-color:rgb(214, 75, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 75, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 75, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 75, 174);  
box-shadow:4px 4px 4px 4px rgb(214, 75,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8876, 22.3843, 42.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 75, 174) }
```

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

```
.background{ background-color: rgb(214, 75,  
174) }
```

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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