

Converting Colors

XYZ(37.8266, 22.5929, 45.5472)

Have a look what the booklet for
XYZ(37.8266, 22.5929, 45.5472)
contains.

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Color

**XYZ(37.8266, 22.5929,
45.5472)**

Conversions

Conversions Part 1

Format	Color
Hex	D34EB4
RGB	211, 78, 180
RGB Percent	83%, 31%, 71%
CMY	0.1725, 0.6941, 0.2941
CMYK	0.00, 0.63, 0.15, 0.17
HSL	314°, 60%, 57%
HSV	314°, 63%, 83%
XYZ	37.8266, 22.5929, 45.5472
YIQ	129.3950, 46.5260, 59.9180

Conversions

Conversions Part 2

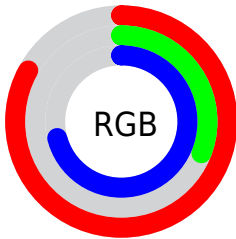
Format	Color
RYB	211, 78, 180
Decimal	13848244
CIELab	54.65, 63.25, -27.77
CIElCh	55, 69.079, 336.301
Yxy	22.5929, 0.3570, 0.2132
Android (android.graphics.Color)	4292038324 (0xFFD34EB4)
YUV	129.3950, 24.9483, 71.5676
Hunter-Lab	47.5320, 58.8717, -23.5418

Details

The XYZ color **37.8266, 22.5929, 45.5472** 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 **29.1976, 49.3133, 22.4494**, and the grayscale version is **20.9094, 21.9983, 23.9562**.

A 20% lighter version of the original color is **65.0443, 44.6441, 84.5458**, and **16.9785, 8.3263, 20.7909** is the 20% darker color. If you saturate the color by 10%, you get **36.0687, 19.8644, 42.5329**, and if you desaturate by 10%, it is **40.0846, 26.2922, 48.8162**.

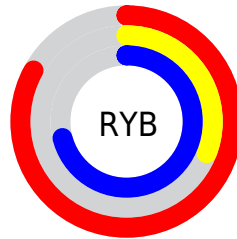
Distribution



Red (83%)

Green (31%)

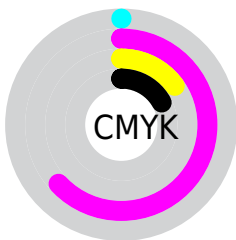
Blue (71%)



Red (83%)

Yellow (31%)

Blue (71%)

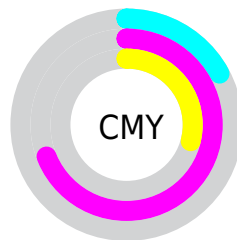


Cyan (0%)

Magenta (63%)

Yellow (15%)

Black (17%)



Cyan (17%)


Magenta (69%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8266, 22.5929, 45.5472 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 37.8266, 22.5929, 45.5472 by changing the saturation by 10% instead.

 37.8266, 22.5929,
45.5472


 37.8266, 22.5929,
45.5472


328.1693,
265.6271, 385.2098

 26.0247, 14.2932,
31.5426


 71.1479, 47.7240,
84.8681

 16.9749, 8.3249,
20.7504


 93.3980, 65.3242,
111.0214

 10.3118, 4.3035,
12.7522


 119.8617, 86.7933,
142.0614

 5.6700, 1.8448,
7.1294

 150.9041,
112.5158, 178.4065

 2.6842, 0.5148,
3.4635

 186.8907,
142.8760, 220.4754

 0.9891, 0.0000,
1.3359

228.1869,

 0.0000, 0.0000,

178.2584, 268.6865

0.0909

275.1580,
219.0473, 323.4585

■ 0.0000, 0.0000,
0.0000

■ 37.8266, 22.5929,
45.5472

■ 37.8266, 22.5929,
45.5472

■ 36.0687, 19.8644,
42.5329

■ 40.0846, 26.2922,
48.8162

■ 34.7605, 18.0076,
39.7552

■ 42.8820, 31.0423,
52.3536

■ 33.8448, 16.9080,
37.1943

■ 46.2571, 36.9184,
56.1729

■ 33.3696, 16.4512,
35.5141

■ 50.2436, 43.9881,
60.2864

■ 54.8727, 52.3135,
64.7053

■ 60.1736, 61.9526,
69.4401

■ 66.1734, 72.9595,
74.5007

■ 72.8980, 85.3854,
79.8966

■ 76.1148, 90.7653,
84.2177

Harmonies

Analogous

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



31.3391, 22.5929, 76.0928



37.8266, 22.5929, 45.5472



39.5200, 22.5929, 20.2868

Triad

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



37.8266, 22.5929, 45.5472



19.9097, 22.5929, 2.0435



11.7185, 22.5929, 58.6262

Complementary

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



37.8266, 22.5929, 45.5472



29.1976, 49.3133, 22.4494

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.



9.9776, 22.5929, 29.4846



37.8266, 22.5929, 45.5472



13.9323, 22.5929, 3.9377

Square

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



37.8266, 22.5929, 45.5472



27.8993, 22.5929, 2.7329



10.6798, 22.5929, 11.3211



16.1195, 22.5929, 86.2659

Rectangle

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



37.8266, 22.5929, 45.5472



37.4192, 22.5929, 10.3254



10.6798, 22.5929, 11.3211



10.8568, 22.5929, 48.1931

Sweetspot

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



37.8273, 22.5940, 45.5476



79.7285, 72.1817, 95.0848



20.5248, 13.2676, 63.1078



16.6418, 14.6909, 19.9400



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.



37.8273, 22.5940, 45.5476



54.5306, 29.2634, 63.6335



32.7233, 20.5524, 18.6703



12.1880, 11.9599, 14.2659



20.1795, 9.9446, 21.6492



1.1577, 0.5678, 1.3650

Inverse Universe

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



37.8273, 22.5940, 45.5476



54.5306, 29.2634, 63.6335



34.0107, 51.2385, 47.7947



12.1880, 11.9599, 14.2659



20.1795, 9.9446, 21.6492



1.1577, 0.5678, 1.3650

Previews

White Background



This preview shows how the XYZ color 37.8266, 22.5929, 45.5472 looks on a white background.

Color Contrast Check

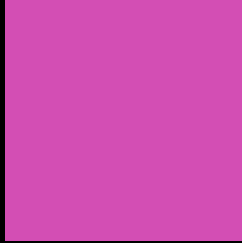
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8266, 22.5929, 45.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

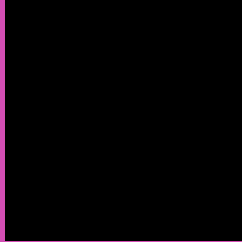
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8266, 22.5929, 45.5472

Background



This preview shows how black text looks on a background with the XYZ color 37.8266, 22.5929, 45.5472.



This preview shows how white text looks on a background with the XYZ color 37.8266, 22.5929,

45.5472.

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

37.8266, 22.5929, 45.5472

Protanopia

25.1839, 22.9341, 71.5060

Deuteranopia

23.3227, 22.8166, 42.2045



Tritanopia

31.8193, 22.5927, 16.0484

Trichromacy



Original Color

37.8266, 22.5929, 45.5472



Protanomaly

26.7082, 20.7590, 60.9917



Deuteranomaly

26.6402, 21.1170, 43.2293



Tritanomaly

33.6381, 22.4135, 24.3831

Monochromacy



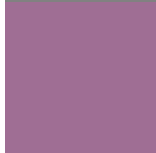
Original Color

37.8266, 22.5929, 45.5472



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

25.2193, 20.6609, 30.6757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8266, 22.5929, 45.5472 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(211, 78, 180)` looks like.

```
.text, #text, p{  
    color:rgb(211, 78, 180)  
}
```

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(211, 78, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 78, 180) }
```

Border

The CSS property to change the border of an element to XYZ 37.8266, 22.5929, 45.5472 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(211, 78, 180) }
```


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

```
.border{ border-color:rgb(211, 78, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 78, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 78, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 78, 180);  
box-shadow:4px 4px 4px 4px rgb(211, 78,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8266, 22.5929, 45.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 78, 180) }
```

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

```
.background{ background-color: rgb(211, 78,  
180) }
```

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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