

Converting Colors

XYZ(37.1901, 21.1892, 44.5508)

Have a look what the booklet for
XYZ(37.1901, 21.1892, 44.5508)
contains.

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Color

**XYZ(37.2952, 21.2660,
44.7869)**

Conversions

Conversions Part 1

Format	Color
Hex	D443B3
RGB	212, 67, 179
RGB Percent	83%, 26%, 70%
CMY	0.1686, 0.7372, 0.2980
CMYK	0.00, 0.68, 0.16, 0.17
HSL	314°, 63%, 55%
HSV	314°, 68%, 83%
XYZ	37.2952, 21.2660, 44.7869
YIQ	123.1230, 50.4680, 65.5720

Conversions

Conversions Part 2

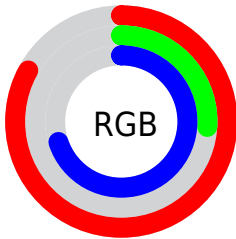
Format	Color
R _Y B	212, 67, 179
Decimal	13910963
CIE Lab	53.24, 67.61, -29.36
CIE LCh	53, 73.706, 336.524
Yxy	21.2660, 0.3609, 0.2058
Android (android.graphics.Color)	4292101043 (0xFFD443B3)
YUV	123.1230, 27.5474, 77.9451
Hunter-Lab	46.1151, 63.6591, -25.3018

Details

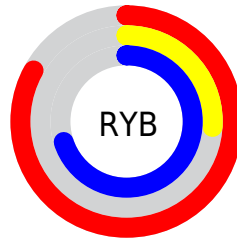
The XYZ color **37.2952, 21.2660, 44.7869** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.1595, 49.2011, 20.0712**, and the grayscale version is **18.7687, 19.7462, 21.5036**.

A 20% lighter version of the original color is **63.6963, 42.1799, 83.3816**, and **17.0923, 8.3764, 20.4546** is the 20% darker color. If you saturate the color by 10%, you get **35.7782, 18.9990, 41.9155**, and if you desaturate by 10%, it is **39.2918, 24.4641, 47.9027**.

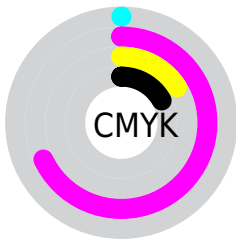
Distribution



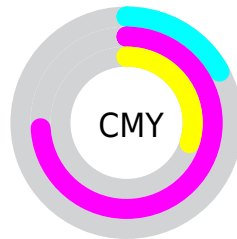
- Red (83%)
- Green (26%)
- Blue (70%)



- Red (83%)
- Yellow (26%)
- Blue (70%)



- Cyan (0%)
- Magenta (68%)
- Yellow (16%)
- Black (17%)





- Cyan (17%)
- Magenta (74%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2952, 21.2660, 44.7869 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 37.2952, 21.2660, 44.7869 by changing the saturation by 10% instead.

 37.2952, 21.2660,
44.7869


 37.2952, 21.2660,
44.7869

325.9202,
258.6888, 382.0447


 25.6109, 13.3186,
30.9479


 70.3375, 45.5298,
83.7156

 16.6639, 7.6483,
20.3010


 92.4261, 62.6150,
109.6424


 10.0890, 3.8707,
12.4278


 118.7135, 83.5149,
140.4354

 5.5207, 1.6015,
6.9097

 149.5651,
108.6139, 176.5134

 2.5938, 0.3586,
3.3281

 185.3462,
138.2964, 218.2948

 0.9428, 0.0000,
1.2645

226.4222,

 0.0000, 0.0000,

172.9468, 266.1981

0.0324

273.1584,
212.9494, 320.6419

■ 0.0000, 0.0000,
0.0000

■ 37.2952, 21.2660,
44.7869

■ 37.2952, 21.2660,
44.7869

■ 35.7782, 18.9990,
41.9155

■ 39.2918, 24.4641,
47.9027

■ 34.6852, 17.5535,
39.2688

■ 41.8112, 28.6806,
51.2778

■ 33.9369, 16.7705,
36.8195

■ 44.8941, 33.9961,
54.9265

■ 33.8298, 16.6685,
36.4378

■ 48.5764, 40.4824,
58.8619

■ 52.8912, 48.2051,
63.0955

■ 57.8688, 57.2250,
67.6385

■ 63.5379, 67.5988,
72.5010

■ 69.9252, 79.3799,
77.6929

■ 76.1536, 90.8140,
82.9224

Harmonies

Analogous

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



30.4999, 21.2660, 77.5493



37.2952, 21.2660, 44.7869



39.0405, 21.2660, 18.6157

Triad

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



37.2952, 21.2660, 44.7869



18.5584, 21.2660, 1.3378



10.4087, 21.2660, 59.2097

Complementary

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



37.2952, 21.2660, 44.7869



28.1595, 49.2011, 20.0712

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.



8.6862, 21.2660, 28.3782



37.2952, 21.2660, 44.7869



12.5457, 21.2660, 2.9616

Square

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



37.2952, 21.2660, 44.7869



26.7845, 21.2660, 1.8888



9.3533, 21.2660, 9.9275



14.8147, 21.2660, 88.9775

Rectangle

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



37.2952, 21.2660, 44.7869



36.7909, 21.2660, 8.7975



9.3533, 21.2660, 9.9275



9.5562, 21.2660, 48.0746

Sweetspot

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



37.2959, 21.2671, 44.7873



78.3810, 69.7031, 93.9682



18.9741, 11.3890, 63.4861



16.3809, 14.2100, 19.7269



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.



37.2959, 21.2671, 44.7873



53.5257, 27.7312, 61.8256



31.8707, 19.0970, 16.2185



12.8265, 12.5821, 15.0264



20.9244, 10.3061, 22.7036



1.2923, 0.6337, 1.5288

Inverse Universe

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



37.2959, 21.2671, 44.7873



53.5257, 27.7312, 61.8256



33.2019, 51.2181, 46.6239



12.8265, 12.5821, 15.0264



20.9244, 10.3061, 22.7036



1.2923, 0.6337, 1.5288

Previews

White Background



This preview shows how the XYZ color 37.2952, 21.2660, 44.7869 looks on a white background.

Color Contrast Check

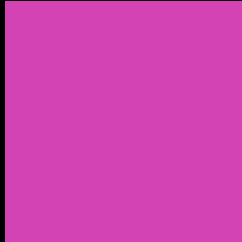
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2952, 21.2660, 44.7869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

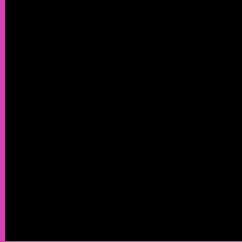
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2952, 21.2660, 44.7869

Background



This preview shows how black text looks on a background with the XYZ color 37.2952, 21.2660, 44.7869.



This preview shows how white text looks on a background with the XYZ color 37.2952, 21.2660,

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

37.2952, 21.2660, 44.7869

Protanopia

24.3810, 21.6668, 75.5701

Deuteranopia

21.9190, 21.5370, 41.0320



Tritanopia

30.8006, 21.1826, 13.7745

Trichromacy



Original Color

37.2952, 21.2660, 44.7869



Protanomaly

25.3852, 18.9428, 63.2912



Deuteranomaly

25.3569, 19.6996, 42.0011



Tritanomaly

32.5802, 20.8323, 22.3825

Monochromacy



Original Color

37.2952, 21.2660, 44.7869



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

23.3257, 18.6522, 28.3574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2952, 21.2660, 44.7869 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, 67, 179)` looks like.

```
.text, #text, p{  
    color:rgb(212, 67, 179)  
}
```

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, 67, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 67, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.2952, 21.2660, 44.7869 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, 67, 179) }
```


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

```
.border{ border-color:rgb(212, 67, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 67, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 67, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 67, 179);  
box-shadow:4px 4px 4px 4px rgb(212, 67,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2952, 21.2660, 44.7869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 67, 179) }
```

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

```
.background{ background-color: rgb(212, 67,  
179) }
```

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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