

Converting Colors

XYZ(37.8795, 21.5422, 32.1899)

Have a look what the booklet for
XYZ(37.8795, 21.5422, 32.1899)
contains.

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Color

**XYZ(37.9587, 21.5429,
32.2945)**

Conversions

Conversions Part 1

Format	Color
Hex	DF3F99
RGB	223, 63, 153
RGB Percent	87%, 25%, 60%
CMY	0.1255, 0.7529, 0.4000
CMYK	0.00, 0.72, 0.31, 0.13
HSL	326°, 71%, 56%
HSV	326°, 72%, 87%
XYZ	37.9587, 21.5429, 32.2945
YIQ	121.1000, 66.4700, 61.9100

Conversions

Conversions Part 2

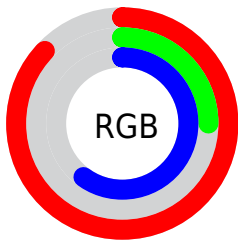
Format	Color
R_{YB}	223, 63, 153
Decimal	14630809
CIE _{Lab}	53.54, 68.47, -13.48
CIE _{LCh}	54, 69.789, 348.859
Yxy	21.5429, 0.4135, 0.2347
Android (android.graphics.Color)	4292820889 (0xFFDF3F99)
YUV	121.1000, 15.7267, 89.3663
Hunter-Lab	46.4143, 64.7563, -8.7632

Details

The XYZ color **37.9587, 21.5429, 32.2945** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **32.6726, 55.5263, 31.1895**, and the grayscale version is **18.1434, 19.0882, 20.7871**.

A 20% lighter version of the original color is **59.5854, 39.9309, 63.5984**, and **17.5025, 8.7458, 13.3360** is the 20% darker color. If you saturate the color by 10%, you get **36.1908, 19.2445, 27.8905**, and if you desaturate by 10%, it is **40.2936, 24.8696, 37.2130**.

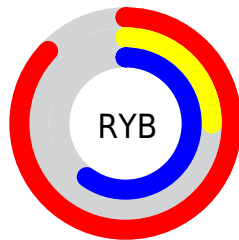
Distribution



Red (87%)

Green (25%)

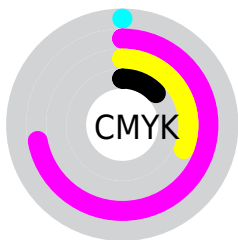
Blue (60%)



Red (87%)

Yellow (25%)

Blue (60%)

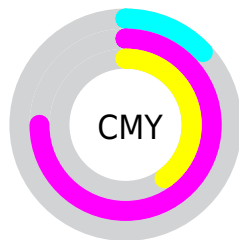


Cyan (0%)

Magenta (72%)

Yellow (31%)

Black (13%)



Cyan (13%)

Magenta (75%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9587, 21.5429, 32.2945 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 37.9587, 21.5429, 32.2945 by changing the saturation by 10% instead.


 37.9587, 21.5429,
32.2945

 37.9587, 21.5429,
32.2945

328.7267,
260.1498, 326.9926

 26.1277, 13.5214,
21.3199

 71.3491, 45.9893,
64.3757


 17.0524, 7.7886,
13.1645


 93.6393, 63.1831,
86.3194


 10.3674, 3.9600,
7.4099


 120.1465, 84.2030,
112.7566

 5.7073, 1.6512,
3.6374

 151.2362,
109.4336, 144.1057

 2.7069, 0.3917,
1.4286

 187.2738,
139.2592, 180.7853

 1.0007, 0.0000,
0.1639

228.6244,

 0.0000, 0.0000,

174.0641, 223.2139

0.0000

275.6536,
214.2329, 271.8102

■ 37.9587, 21.5429,
32.2945

■ 37.9587, 21.5429,
32.2945

■ 36.1908, 19.2445,
27.8905

■ 40.2936, 24.8696,
37.2130

■ 34.9218, 17.8410,
23.9701

■ 43.2489, 29.3294,
42.6707

■ 34.1608, 17.1797,
21.0625

■ 46.8737, 35.0180,
48.6915

■ 51.2113, 42.0197,
55.2967

■ 56.3014, 50.4117,
62.5065

62.1805, 60.2647,
70.3394

68.8827, 71.6449,
78.8134

76.4399, 84.6143,
87.9455

82.0406, 93.5476,
96.8043

Harmonies

Analogous

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



33.2461, 21.5429, 62.0430



37.9587, 21.5429, 32.2945



37.2117, 21.5429, 12.5511

Triad

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



37.9587, 21.5429, 32.2945



16.1919, 21.5429, 2.1256



12.4340, 21.5429, 69.8028

Complementary

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



37.9587, 21.5429, 32.2945



32.6726, 55.5263, 31.1895

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.



9.7044, 21.5429, 39.3446



37.9587, 21.5429, 32.2945



11.4830, 21.5429, 5.5107

Square

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



37.9587, 21.5429, 32.2945



23.3656, 21.5429, 1.8505



9.4046, 21.5429, 16.3989



17.8348, 21.5429, 90.9681

Rectangle

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



37.9587, 21.5429, 32.2945



33.7543, 21.5429, 6.0001



9.4046, 21.5429, 16.3989



11.2359, 21.5429, 59.6842

Sweetspot

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



37.9593, 21.5440, 32.2949



75.9873, 67.7996, 84.2799



24.6662, 13.8168, 71.1790



15.8414, 13.8105, 17.4524



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.



37.9593, 21.5440, 32.2949



48.1242, 25.0086, 35.1146



33.4347, 19.7342, 8.4684



14.0285, 13.8290, 15.9202



20.1438, 10.1245, 12.6887



1.4410, 0.7197, 1.1152

Inverse Universe

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



37.9593, 21.5440, 32.2949



48.1242, 25.0086, 35.1146



40.3641, 58.6029, 71.6927



14.0285, 13.8290, 15.9202



20.1438, 10.1245, 12.6887



1.4410, 0.7197, 1.1152

Previews

White Background



This preview shows how the XYZ color 37.9587, 21.5429, 32.2945 looks on a white background.

Color Contrast Check

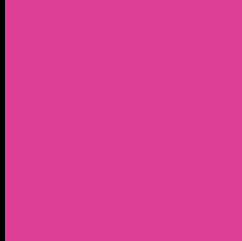
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9587, 21.5429, 32.2945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

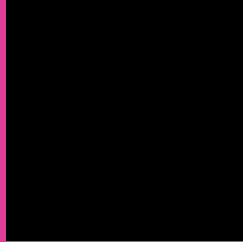
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.9587, 21.5429, 32.2945

Background



This preview shows how black text looks on a background with the XYZ color 37.9587, 21.5429, 32.2945.



This preview shows how white text looks on a background with the XYZ color 37.9587, 21.5429,

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

37.9587, 21.5429, 32.2945

Protanopia

23.2474, 21.8825, 56.4246

Deuteranopia

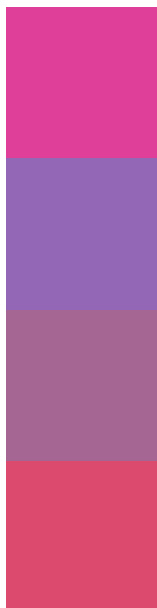
22.1173, 21.6981, 29.8105



Tritanopia

33.5356, 21.4622, 11.1792

Trichromacy



Original Color

37.9587, 21.5429, 32.2945

Protanomaly

25.3264, 19.2809, 46.6427

Deuteranomaly

25.8226, 19.7479, 30.4677

Tritanomaly

34.7785, 21.2390, 17.0184

Monochromacy



Original Color

37.9587, 21.5429, 32.2945

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

22.8914, 18.0769, 24.4730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9587, 21.5429, 32.2945 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(223, 63, 153)` looks like.

```
.text, #text, p{  
    color:rgb(223, 63, 153)  
}
```

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(223, 63, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 63, 153) }
```

Border

The CSS property to change the border of an element to XYZ 37.9587, 21.5429, 32.2945 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(223, 63, 153) }
```


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

```
.border{ border-color:rgb(223, 63, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 63, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 63, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 63, 153);  
box-shadow:4px 4px 4px 4px rgb(223, 63,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9587, 21.5429, 32.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 63, 153) }
```

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

```
.background{ background-color: rgb(223, 63,  
153) }
```

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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