

Converting Colors

XYZ(37.7379, 21.0462, 35.9794)

Have a look what the booklet for
XYZ(37.7379, 21.0462, 35.9794)
contains.

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Color

**XYZ(37.8158, 21.0733,
35.7927)**

Conversions

Conversions Part 1

Format	Color
Hex	DD3BA1
RGB	221, 59, 161
RGB Percent	87%, 23%, 63%
CMY	0.1333, 0.7686, 0.3686
CMYK	0.00, 0.73, 0.27, 0.13
HSL	322°, 70%, 55%
HSV	322°, 73%, 87%
XYZ	37.8158, 21.0733, 35.7927
YIQ	119.0660, 63.8100, 66.0660

Conversions

Conversions Part 2

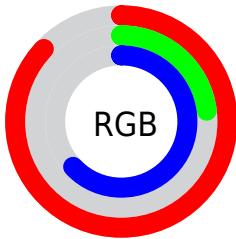
Format	Color
R_{YB}	221, 59, 161
Decimal	14498721
CIE _{Lab}	53.03, 70.20, -19.01
CIE _{LCh}	53, 72.734, 344.846
Yxy	21.0733, 0.3994, 0.2226
Android (android.graphics.Color)	4292688801 (0xFFDD3BA1)
YUV	119.0660, 20.6735, 89.3961
Hunter-Lab	45.9057, 66.7084, -14.0945

Details

The XYZ color **37.8158, 21.0733, 35.7927** 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 **30.9912, 53.9753, 26.2408**, and the grayscale version is **17.4794, 18.3897, 20.0264**.

A 20% lighter version of the original color is **60.3511, 39.6508, 69.4383**, and **17.4583, 8.6812, 15.2235** is the 20% darker color. If you saturate the color by 10%, you get **36.2122, 18.9835, 31.8125**, and if you desaturate by 10%, it is **39.9485, 24.1450, 40.1828**.

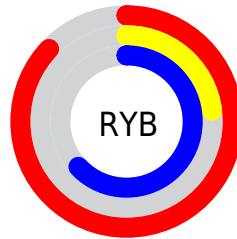
Distribution



Red (87%)

Green (23%)

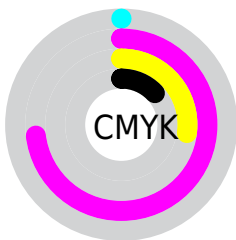
Blue (63%)



Red (87%)

Yellow (23%)

Blue (63%)

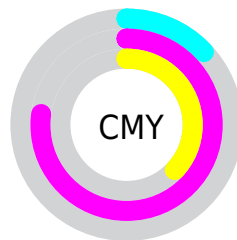


Cyan (0%)

Magenta (73%)

Yellow (27%)

Black (13%)



Cyan (13%)


Magenta (77%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8158, 21.0733, 35.7927 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 37.8158, 21.0733, 35.7927 by changing the saturation by 10% instead.


 37.8158, 21.0733,
35.7927


 37.8158, 21.0733,
35.7927

328.1237,
257.6678, 343.0635

 26.0163, 13.1776,
23.9857


 71.1314, 45.2095,
69.8774


 16.9686, 7.5510,
15.1109


 93.3783, 62.2188,
92.9922

 10.3073, 3.8090,
8.7498


 119.8384, 83.0347,
120.7134

 5.6670, 1.5673,
4.4838

 150.8769,
108.0417, 153.4595

 2.6824, 0.3354,
1.8943

 186.8594,
137.6240, 191.6490

 0.9881, 0.0000,
0.4891

228.1511,

 0.0000, 0.0000,

172.1663, 235.7005

0.0000

275.1174,
212.0527, 286.0325

■ 37.8158, 21.0733,
35.7927

■ 37.8158, 21.0733,
35.7927

■ 36.2122, 18.9835,
31.8125

■ 39.9485, 24.1450,
40.1828

■ 35.0693, 17.7414,
28.2145


■ 42.6630, 28.3038,
45.0042


■ 34.4896, 17.2405,
25.9911

■ 46.0078, 33.6445,
50.2773


■ 50.0253, 40.2510,
56.0205

■ 54.7542, 48.1993,
62.2505

 60.2302, 57.5595,
68.9832

 66.4865, 68.3966,
76.2335

 73.5541, 80.7717,
84.0153

 80.5269, 92.8714,
92.0304

Harmonies

Analogous

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



32.2763, 21.0733, 67.5610



37.8158, 21.0733, 35.7927



37.8470, 21.0733, 13.7664

Triad

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



37.8158, 21.0733, 35.7927



16.4968, 21.0733, 1.5730



11.3159, 21.0733, 67.2329

Complementary

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



37.8158, 21.0733, 35.7927



30.9912, 53.9753, 26.2408

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.



8.9219, 21.0733, 35.4995



37.8158, 21.0733, 35.7927



11.3541, 21.0733, 4.1761

Square

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



37.8158, 21.0733, 35.7927



24.1200, 21.0733, 1.5829



8.9338, 21.0733, 13.6115



16.4298, 21.0733, 92.2106

Rectangle

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



37.8158, 21.0733, 35.7927



34.6646, 21.0733, 6.3252



8.9338, 21.0733, 13.6115



10.2314, 21.0733, 56.3510

Sweetspot

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



37.8165, 21.0744, 35.7931



76.5235, 68.0141, 87.1033



22.1422, 12.2295, 69.6004



15.9682, 13.8612, 18.1204



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.



37.8165, 21.0744, 35.7931



49.1549, 25.1933, 41.2434



32.8540, 19.0894, 9.6609



13.3992, 13.1888, 15.3633



20.0919, 10.0378, 15.3957



1.3427, 0.6667, 1.2138

Inverse Universe

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



37.8165, 21.0744, 35.7931



49.1549, 25.1933, 41.2434



38.0163, 56.7854, 63.2347



13.3992, 13.1888, 15.3633



20.0919, 10.0378, 15.3957



1.3427, 0.6667, 1.2138

Previews

White Background



This preview shows how the XYZ color 37.8158, 21.0733, 35.7927 looks on a white background.

Color Contrast Check

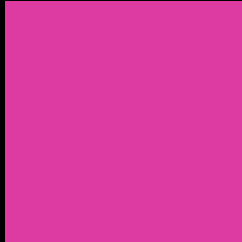
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8158, 21.0733, 35.7927 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 37.8158, 21.0733, 35.7927

Background



This preview shows how black text looks on a background with the XYZ color 37.8158, 21.0733, 35.7927.



This preview shows how white text looks on a background with the XYZ color 37.8158, 21.0733,

35.7927.

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

37.8158, 21.0733, 35.7927

Protanopia

23.3547, 21.3956, 63.8716

Deuteranopia

21.6275, 21.1943, 32.6568



Tritanopia

32.6465, 21.0038, 11.1376

Trichromacy



Original Color

37.8158, 21.0733, 35.7927



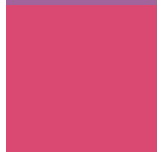
Protanomaly

24.8868, 18.4956, 52.1275



Deuteranomaly

25.1715, 19.0580, 33.3622



Tritanomaly

33.9785, 20.7091, 17.8292

Monochromacy



Original Color

37.8158, 21.0733, 35.7927



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

22.2881, 17.3385, 24.7262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8158, 21.0733, 35.7927 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(221, 59, 161)` looks like.

```
.text, #text, p{  
    color:rgb(221, 59, 161)  
}
```

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(221, 59, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 59, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.8158, 21.0733, 35.7927 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(221, 59, 161) }
```


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

```
.border{ border-color:rgb(221, 59, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 59, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 59, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 59, 161);  
box-shadow:4px 4px 4px 4px rgb(221, 59,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8158, 21.0733, 35.7927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 59, 161) }
```

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

```
.background{ background-color: rgb(221, 59,  
161) }
```

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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