

Converting Colors

XYZ(37.8319, 20.0732, 37.7184)

Have a look what the booklet for
XYZ(37.8319, 20.0732, 37.7184)
contains.

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Color

**XYZ(37.9078, 20.0841,
37.9551)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DE2CA6 |
| RGB | 222, 44, 166 |
| RGB Percent | 87%, 17%, 65% |
| CMY | 0.1294, 0.8274, 0.3490 |
| CMYK | 0.00, 0.80, 0.25, 0.13 |
| HSL | 319°, 73%, 52% |
| HSV | 319°, 80%, 87% |
| XYZ | 37.9078, 20.0841, 37.9551 |
| YIQ | 111.1300, 66.9260, 75.6780 |

Conversions

Conversions Part 2

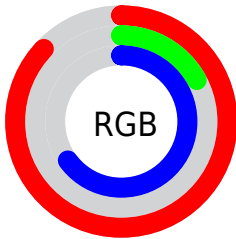
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 222, 44, 166 |
| Decimal | 14560422 |
| CIE _{Lab} | 51.93, 75.23, -23.63 |
| CIE _{LCh} | 52, 78.857, 342.562 |
| Yxy | 20.0841, 0.3951, 0.2093 |
| Android (android.graphics.Color) | 4292750502 (0xFFDE2CA6) |
| YUV | 111.1300, 27.0509, 97.2330 |
| Hunter-Lab | 44.8153, 72.5606, -18.8434 |

Details

The XYZ color **37.9078, 20.0841, 37.9551** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **29.4615, 53.6988, 20.8719**, and the grayscale version is **15.0593, 15.8436, 17.2536**.

A 20% lighter version of the original color is **59.8671, 37.6323, 72.5150**, and **17.9376, 8.8963, 16.6913** is the 20% darker color. If you saturate the color by 10%, you get **36.6670, 18.6001, 34.4657**, and if you desaturate by 10%, it is **39.6264, 22.4676, 41.7758**.

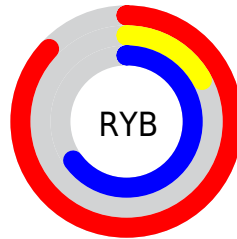
Distribution



Red (87%)

Green (17%)

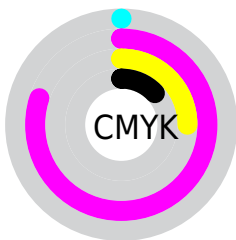
Blue (65%)



Red (87%)

Yellow (17%)

Blue (65%)

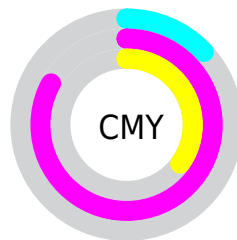


Cyan (0%)

Magenta (80%)

Yellow (25%)

Black (13%)



Cyan (13%)


Magenta (83%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9078, 20.0841, 37.9551 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 37.9078, 20.0841, 37.9551 by changing the saturation by 10% instead.

 37.9078, 20.0841,
37.9551


 37.9078, 20.0841,
37.9551

328.5120,
252.3700, 352.7197

 26.0880, 12.4562,
25.6463


 71.2716, 43.5581,
73.2420


 17.0225, 7.0552,
16.3358


 93.5464, 60.1731,
97.0571


 10.3460, 3.4966,
9.6052


 120.0368, 80.5524,
125.5448

 5.6930, 1.3962,
5.0358

 151.1083,
105.0807, 159.1235

 2.6982, 0.2139,
2.2092

 187.1262,
134.1422, 198.2118

 0.9962, 0.0000,
0.6797

228.4559,

 0.0000, 0.0000,

168.1213, 243.2282

0.0000

275.4627,
207.4024, 294.5914

■ 37.9078, 20.0841,
37.9551

■ 37.9078, 20.0841,
37.9551

■ 36.6670, 18.6001,
34.4657

■ 39.6264, 22.4676,
41.7758

■ 35.8043, 17.8017,
31.3204

■ 41.8832, 25.8711,
45.9501

■ 44.7314, 30.4002,
50.4985

■ 48.2171, 36.1459,
55.4388

■ 52.3815, 43.1902,
60.7874

■ 57.2625, 51.6077,
66.5591

■ 62.8950, 61.4677,
72.7679

■ 69.3115, 72.8343,
79.4272

■ 76.5426, 85.7681,
86.5494

Harmonies

Analogous

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



31.5368, 20.0841, 73.2016



37.9078, 20.0841, 37.9551



38.4469, 20.0841, 13.5995

Triad

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



37.9078, 20.0841, 37.9551



15.9276, 20.0841, 0.8787



9.8340, 20.0841, 67.4151

Complementary

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



37.9078, 20.0841, 37.9551



29.4615, 53.6988, 20.8719

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.



7.6460, 20.0841, 32.9504



37.9078, 20.0841, 37.9551



10.4423, 20.0841, 2.8013

Square

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



37.9078, 20.0841, 37.9551



24.0942, 20.0841, 1.0005



7.8320, 20.0841, 11.1226



14.8305, 20.0841, 96.8720

Rectangle

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



37.9078, 20.0841, 37.9551



35.2616, 20.0841, 5.6693



7.8320, 20.0841, 11.1226



8.8179, 20.0841, 55.2961

Sweetspot

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



37.9084, 20.0852, 37.9555



75.5906, 65.7959, 87.8784



19.0595, 9.6402, 69.9637



15.6723, 13.2096, 18.2060



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.



37.9084, 20.0852, 37.9555



49.3845, 24.6949, 44.2722



32.4591, 17.9054, 9.2595



14.1019, 13.8584, 16.3067



21.3194, 10.5947, 18.8793



1.5177, 0.7503, 1.5189

Inverse Universe

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



37.9084, 20.0852, 37.9555



49.3845, 24.6949, 44.2722



36.0664, 56.3408, 55.6532



14.1019, 13.8584, 16.3067



21.3194, 10.5947, 18.8793



1.5177, 0.7503, 1.5189

Previews

White Background



This preview shows how the XYZ color 37.9078, 20.0841, 37.9551 looks on a white background.

Color Contrast Check

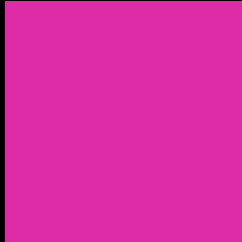
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9078, 20.0841, 37.9551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

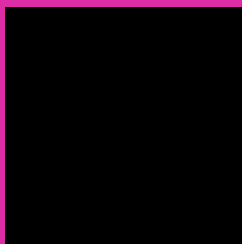
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.9078, 20.0841, 37.9551

Background



This preview shows how black text looks on a background with the XYZ color 37.9078, 20.0841, 37.9551.



This preview shows how white text looks on a background with the XYZ color 37.9078, 20.0841,

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

37.9078, 20.0841, 37.9551

Protanopia

23.1936, 20.5524, 73.2656

Deuteranopia

20.7060, 20.3124, 34.2819



Tritanopia

31.9517, 20.0437, 9.5819

Trichromacy



Original Color

37.9078, 20.0841, 37.9551



Protanomaly

23.5959, 16.7297, 58.4854



Deuteranomaly

24.2525, 17.7116, 35.3981



Tritanomaly

33.6161, 19.7199, 17.0735

Monochromacy



Original Color

37.9078, 20.0841, 37.9551



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

20.2674, 15.0344, 23.3064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9078, 20.0841, 37.9551 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(222, 44, 166)` looks like.

```
.text, #text, p{  
    color:rgb(222, 44, 166)  
}
```

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(222, 44, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 44, 166) }
```

Border

The CSS property to change the border of an element to XYZ 37.9078, 20.0841, 37.9551 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(222, 44, 166) }
```


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

```
.border{ border-color:rgb(222, 44, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 44, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 44, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 44, 166);  
box-shadow:4px 4px 4px 4px rgb(222, 44,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9078, 20.0841, 37.9551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 44, 166) }
```

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

```
.background{ background-color: rgb(222, 44,  
166) }
```

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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