

Converting Colors

XYZ(37.8255, 22.8988, 31.7044)

Have a look what the booklet for
XYZ(37.8255, 22.8988, 31.7044)
contains.

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Color

**XYZ(37.8255, 22.8988,
31.7044)**

Conversions

Conversions Part 1

Format	Color
Hex	DC4E97
RGB	220, 78, 151
RGB Percent	86%, 31%, 59%
CMY	0.1373, 0.6941, 0.4078
CMYK	0.00, 0.65, 0.31, 0.14
HSL	329°, 67%, 58%
HSV	329°, 65%, 86%
XYZ	37.8255, 22.8988, 31.7044
YIQ	128.7800, 61.1990, 52.8070

Conversions

Conversions Part 2

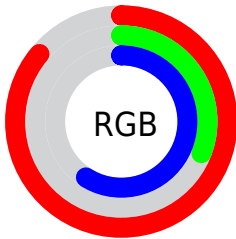
Format	Color
R_{YB}	220, 78, 151
Decimal	14438039
CIE _{Lab}	54.97, 61.88, -10.20
CIE _{LCh}	55, 62.717, 350.638
Yxy	22.8988, 0.4092, 0.2477
Android (android.graphics.Color)	4292628119 (0xFFDC4E97)
YUV	128.7800, 10.9545, 79.9999
Hunter-Lab	47.8527, 57.3544, -5.7852

Details

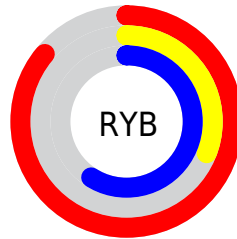
The XYZ color **37.8255, 22.8988, 31.7044** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **34.0029, 54.9134, 36.4143**, and the grayscale version is **20.7384, 21.8184, 23.7602**.

A 20% lighter version of the original color is **60.9234, 42.9957, 62.8456**, and **16.9982, 8.4972, 12.8008** is the 20% darker color. If you saturate the color by 10%, you get **35.6863, 19.9474, 26.9002**, and if you desaturate by 10%, it is **40.5674, 26.9293, 37.0984**.

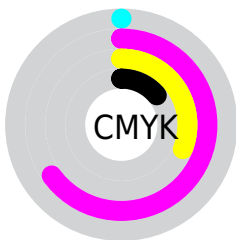
Distribution



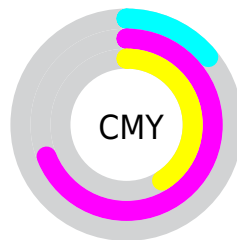
- Red (86%)
- Green (31%)
- Blue (59%)



- Red (86%)
- Yellow (31%)
- Blue (59%)



- Cyan (0%)
- Magenta (65%)
- Yellow (31%)
- Black (14%)





- Cyan (14%)
- Magenta (69%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8255, 22.8988, 31.7044 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 37.8255, 22.8988, 31.7044 by changing the saturation by 10% instead.

 37.8255, 22.8988,
31.7044


 37.8255, 22.8988,
31.7044


328.1646,
267.2048, 324.2216

 26.0239, 14.5188,
20.8729


 71.1462, 48.2271,
63.4399


 16.9743, 8.4824,
12.8408


 93.3960, 65.9442,
85.1810

 10.3113, 4.4051,
7.1896


 119.8593, 87.5424,
111.3956

 5.6697, 1.9027,
3.5007

 150.9013,
113.4062, 142.5024

 2.6840, 0.5500,
1.3556

 186.8875,
143.9200, 178.9198

 0.9890, 0.0000,
0.1067

228.1833,

 0.0000, 0.0000,

179.4680, 221.0665

0.0000

275.1538,
220.4349, 269.3609

■ 37.8255, 22.8988,
31.7044

■ 37.8255, 22.8988,
31.7044

■ 35.6863, 19.9474,
26.9002

■ 40.5674, 26.9293,
37.0984

■ 34.0912, 17.9617,
22.6554

■ 43.9589, 32.1300,
43.1071

■ 32.9723, 16.8090,
18.9368

■ 48.0446, 38.5866,
49.7551

■ 32.5011, 16.4100,
17.1047

■ 52.8640, 46.3755,
57.0648

■ 58.4539, 55.5671,
65.0573

■ 64.8482, 66.2267,
73.7527

■ 72.0791, 78.4155,
83.1699

■ 80.1766, 92.1914,
93.3272

■ 82.0972, 93.4645,
101.8847

Harmonies

Analogous

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



33.8421, 22.8988, 58.0097



37.8255, 22.8988, 31.7044



36.8500, 22.8988, 13.7142

Triad

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



37.8255, 22.8988, 31.7044



17.3791, 22.8988, 3.5124



14.3305, 22.8988, 67.8735

Complementary

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



37.8255, 22.8988, 31.7044



34.0029, 54.9134, 36.4143

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.



11.4867, 22.8988, 41.0340



37.8255, 22.8988, 31.7044



12.9685, 22.8988, 7.6653

Square

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



37.8255, 22.8988, 31.7044



24.0158, 22.8988, 3.0105



11.0478, 22.8988, 19.2015



19.6587, 22.8988, 85.1180

Rectangle

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



37.8255, 22.8988, 31.7044



33.5857, 22.8988, 7.3714



11.0478, 22.8988, 19.2015



13.1045, 22.8988, 59.1650

Sweetspot

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



37.8262, 22.9000, 31.7048



77.9323, 71.4632, 85.6258



27.6110, 16.7869, 69.4952



16.2059, 14.5166, 17.6444



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.



37.8262, 22.9000, 31.7048



49.0950, 26.8756, 35.6678



33.7021, 21.2504, 9.9877



13.3341, 13.1627, 15.0204



19.1311, 9.6535, 10.3365



1.2829, 0.6428, 0.8987

Inverse Universe

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



37.8262, 22.9000, 31.7048



49.0950, 26.8756, 35.6678



41.3428, 57.8493, 75.0656



13.3341, 13.1627, 15.0204



19.1311, 9.6535, 10.3365



1.2829, 0.6428, 0.8987

Previews

White Background



This preview shows how the XYZ color 37.8255, 22.8988, 31.7044 looks on a white background.

Color Contrast Check

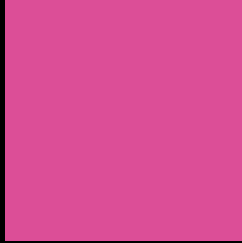
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8255, 22.8988, 31.7044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

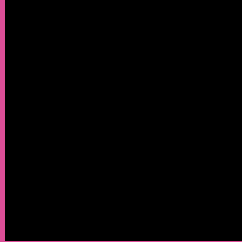
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8255, 22.8988, 31.7044

Background



This preview shows how black text looks on a background with the XYZ color 37.8255, 22.8988, 31.7044.



This preview shows how white text looks on a background with the XYZ color 37.8255, 22.8988,

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

37.8255, 22.8988, 31.7044

Protanopia

23.8917, 23.1305, 50.2191

Deuteranopia

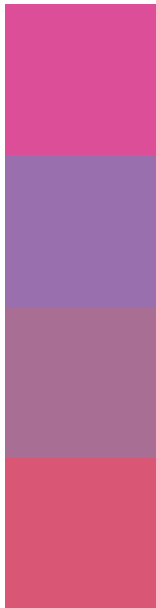
23.5684, 23.0274, 29.5881



Tritanopia

34.2177, 22.9442, 13.9345

Trichromacy



Original Color

37.8255, 22.8988, 31.7044

Protanomaly

26.4613, 21.1972, 42.7412

Deuteranomaly

27.2046, 21.6935, 30.3572

Tritanomaly

35.1539, 22.6916, 19.3567

Monochromacy



Original Color

37.8255, 22.8988, 31.7044

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.9916, 20.6394, 26.3335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8255, 22.8988, 31.7044 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(220, 78, 151)` looks like.

```
.text, #text, p{  
    color:rgb(220, 78, 151)  
}
```

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(220, 78, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 78, 151) }
```

Border

The CSS property to change the border of an element to XYZ 37.8255, 22.8988, 31.7044 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(220, 78, 151) }
```


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

```
.border{ border-color:rgb(220, 78, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 78, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 78, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 78, 151);  
box-shadow:4px 4px 4px 4px rgb(220, 78,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8255, 22.8988, 31.7044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 78, 151) }
```

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

```
.background{ background-color: rgb(220, 78,  
151) }
```

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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