

Converting Colors

XYZ(41.8098, 22.8406, 39.3975)

Have a look what the booklet for
XYZ(41.8098, 22.8406, 39.3975)
contains.

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Color

**XYZ(41.7608, 22.8113,
39.2478)**

Conversions

Conversions Part 1

Format	Color
Hex	E838A8
RGB	232, 56, 168
RGB Percent	91%, 22%, 66%
CMY	0.0902, 0.7803, 0.3412
CMYK	0.00, 0.76, 0.28, 0.09
HSL	322°, 79%, 56%
HSV	322°, 76%, 91%
XYZ	41.7608, 22.8113, 39.2478
YIQ	121.3920, 68.9440, 72.1440

Conversions

Conversions Part 2

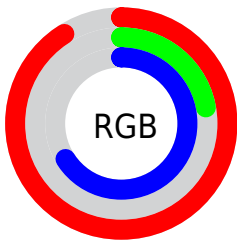
Format	Color
R _Y B	232, 56, 168
Decimal	15218856
CIE Lab	54.88, 74.61, -20.13
CIE LCh	55, 77.276, 344.898
Yxy	22.8113, 0.4022, 0.2197
Android (android.graphics.Color)	4293408936 (0xFFE838A8)
YUV	121.3920, 22.9777, 97.0032
Hunter-Lab	47.7612, 72.4925, -15.2888

Details

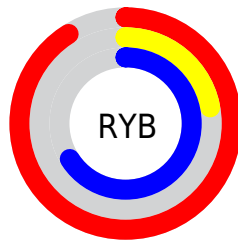
The XYZ color **41.7608, 22.8113, 39.2478** is a light color, and the websafe version is hex **CC3399**. The color can be described as light washed rose. A complement of this color would be **33.8791, 59.9109, 27.5513**, and the grayscale version is **18.2148, 19.1633, 20.8689**.

A 20% lighter version of the original color is **61.1561, 39.7814, 74.2673**, and **20.1656, 10.0316, 17.3964** is the 20% darker color. If you saturate the color by 10%, you get **40.1245, 20.7560, 34.9494**, and if you desaturate by 10%, it is **43.9699, 25.9303, 43.9891**.

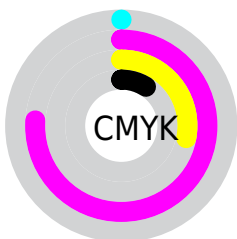
Distribution



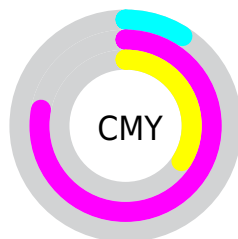
- Red (91%)
- Green (22%)
- Blue (66%)



- Red (91%)
- Yellow (22%)
- Blue (66%)



- Cyan (0%)
- Magenta (76%)
- Yellow (28%)
- Black (9%)





- Cyan (9%)
- Magenta (78%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7608, 22.8113, 39.2478 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 41.7608, 22.8113, 39.2478 by changing the saturation by 10% instead.

 41.7608, 22.8113,
39.2478


 41.7608, 22.8113,
39.2478

344.4989,
266.7543, 358.4003

 29.1043, 14.4542,
26.6432


 77.1049, 48.0833,
75.2412


 19.3044, 8.4373,
17.0754


 100.5233, 65.7670,
99.4672


 11.9958, 4.3760,
10.1257


 128.2596, 87.3284,
128.4040

 6.8130, 1.8860,
5.3757

 160.6793,
113.1519, 162.4703

 3.3907, 0.5400,
2.4068

 198.1478,
143.6218, 202.0845

 1.3636, 0.0000,
0.7901

241.0303,

 0.2301, 0.0000,

179.1226, 247.6652

0.0000

289.6922,
220.0386, 299.6309

■ 0.0000, 0.0000,
0.0000

■ 41.7608, 22.8113,
39.2478

■ 41.7608, 22.8113,
39.2478

■ 40.1245, 20.7560,
34.9494

■ 43.9699, 25.9303,
43.9891

■ 38.9794, 19.6030,
31.0614


■ 46.8145, 30.2372,
49.1984


■ 38.5950, 19.2823,
29.5519


■ 50.3505, 35.8426,
54.8988


■ 54.6274, 42.8436,
61.1113

■ 59.6895, 51.3278,
67.8549

 65.5779, 61.3756,
75.1475

 72.3304, 73.0618,
83.0057

 79.9827, 86.4562,
91.4454

 85.3578, 95.2034,
99.4116

Harmonies

Analogous

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



35.4913, 22.8113, 75.3991



41.7608, 22.8113, 39.2478



41.7843, 22.8113, 14.5862

Triad

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



41.7608, 22.8113, 39.2478



17.7206, 22.8113, 1.4608



11.9905, 22.8113, 75.1503

Complementary

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



41.7608, 22.8113, 39.2478



33.8791, 59.9109, 27.5513

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.



9.3517, 22.8113, 39.0281



41.7608, 22.8113, 39.2478



12.0184, 22.8113, 4.1789

Square

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



41.7608, 22.8113, 39.2478



26.2567, 22.8113, 1.4674



9.3604, 22.8113, 14.4727



17.6712, 22.8113, 103.7555

Rectangle

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



41.7608, 22.8113, 39.2478



38.1685, 22.8113, 6.4567



9.3604, 22.8113, 14.4727



10.7933, 22.8113, 62.7242

Sweetspot

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



41.7615, 22.8125, 39.2482



75.8631, 66.8196, 86.4937



23.3983, 12.4798, 77.5199



15.7037, 13.3969, 17.8326



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.



41.7615, 22.8125, 39.2482



48.8592, 24.7963, 40.5459



36.2322, 20.6008, 10.1314



14.7610, 14.5216, 16.9421



21.4888, 10.7298, 16.7350



1.6322, 0.8106, 1.4695

Inverse Universe

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



41.7615, 22.8125, 39.2482



48.8592, 24.7963, 40.5459



41.5805, 62.9915, 68.1064



14.7610, 14.5216, 16.9421



21.4888, 10.7298, 16.7350



1.6322, 0.8106, 1.4695

Previews

White Background



This preview shows how the XYZ color 41.7608, 22.8113, 39.2478 looks on a white background.

Color Contrast Check

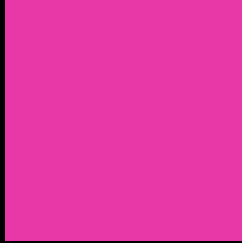
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7608, 22.8113, 39.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

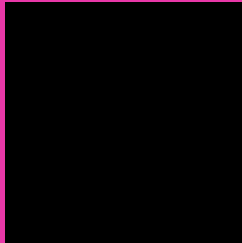
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7608, 22.8113, 39.2478

Background



This preview shows how black text looks on a background with the XYZ color 41.7608, 22.8113, 39.2478.



This preview shows how white text looks on a background with the XYZ color 41.7608, 22.8113,

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

41.7608, 22.8113, 39.2478

Protanopia

25.5493, 23.3016, 72.2583

Deuteranopia

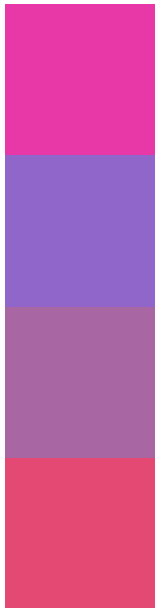
23.3819, 22.9944, 35.5538



Tritanopia

36.1016, 22.8915, 11.5326

Trichromacy



Original Color

41.7608, 22.8113, 39.2478

Protanomaly

26.9136, 19.6963, 58.2604

Deuteranomaly

27.4214, 20.4362, 36.6817

Tritanomaly

37.5298, 22.5200, 18.8918

Monochromacy



Original Color

41.7608, 22.8113, 39.2478

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

23.5601, 17.9614, 26.2699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7608, 22.8113, 39.2478 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(232, 56, 168)` looks like.

```
.text, #text, p{  
    color:rgb(232, 56, 168)  
}
```

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(232, 56, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 56, 168) }
```

Border

The CSS property to change the border of an element to XYZ 41.7608, 22.8113, 39.2478 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(232, 56, 168) }
```


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

```
.border{ border-color:rgb(232, 56, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 56, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 56, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 56, 168);  
box-shadow:4px 4px 4px 4px rgb(232, 56,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7608, 22.8113, 39.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 56, 168) }
```

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

```
.background{ background-color: rgb(232, 56,  
168) }
```

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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