

Converting Colors

XYZ(38.4575, 23.3211, 20.9791)

Have a look what the booklet for
XYZ(38.4575, 23.3211, 20.9791)
contains.

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Color

**XYZ(38.4798, 23.3709,
20.8953)**

Conversions

Conversions Part 1

Format	Color
Hex	E54D7A
RGB	229, 77, 122
RGB Percent	90%, 30%, 48%
CMY	0.1020, 0.6980, 0.5216
CMYK	0.00, 0.66, 0.47, 0.10
HSL	342°, 75%, 60%
HSV	342°, 66%, 90%
XYZ	38.4798, 23.3709, 20.8953
YIQ	127.5780, 76.1470, 46.2190

Conversions

Conversions Part 2

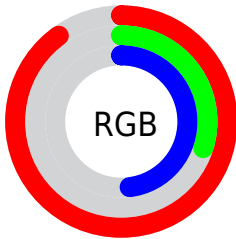
Format	Color
R_{YB}	229, 77, 122
Decimal	15027578
CIE _{Lab}	55.45, 61.90, 7.83
CIE _{LCh}	55, 62.396, 7.211
Yxy	23.3709, 0.4650, 0.2824
Android (android.graphics.Color)	4293217658 (0xFFE54D7A)
YUV	127.5780, -2.7500, 88.9471
Hunter-Lab	48.3435, 57.4791, 8.2137

Details

The XYZ color **38.4798, 23.3709, 20.8953** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **39.7332, 61.0776, 55.0471**, and the grayscale version is **20.3638, 21.4243, 23.3310**.

A 20% lighter version of the original color is **57.4051, 41.3662, 45.0033**, and **17.3845, 8.8192, 7.2646** is the 20% darker color. If you saturate the color by 10%, you get **36.2325, 20.3446, 15.6200**, and if you desaturate by 10%, it is **41.4577, 27.5934, 27.2320**.

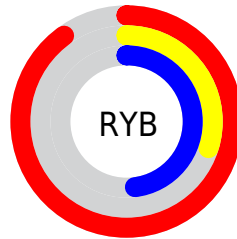
Distribution



Red (90%)

Green (30%)

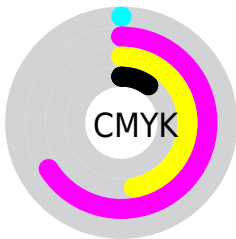
Blue (48%)



Red (90%)

Yellow (30%)

Blue (48%)

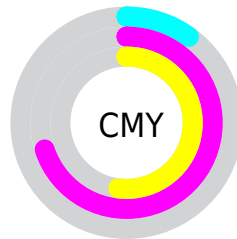


Cyan (0%)

Magenta (66%)

Yellow (47%)

Black (10%)



Cyan (10%)


Magenta (70%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4798, 23.3709, 20.8953 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 38.4798, 23.3709, 20.8953 by changing the saturation by 10% instead.


 38.4798, 23.3709,
20.8953


 38.4798, 23.3709,
20.8953


330.9191,
269.6243, 269.4843


 26.5342, 14.8676,
12.8570


 72.1421, 49.0016,
45.7917


 17.3585, 8.7265,
7.2006


 94.5895, 66.8979,
63.4870


 10.5873, 4.5632,
3.5075


 121.2683, 88.6939,
85.2382

 5.8553, 1.9934,
1.3593

 152.5437,
114.7741, 111.4641

 2.7971, 0.6036,
0.1096

 188.7811,
145.5228, 142.5831

 1.0474, 0.0000,
0.0000

230.3459,

 0.0000, 0.0000,

181.3245, 179.0138

0.0000

277.6035,
222.5635, 221.1747

■ 38.4798, 23.3709,
20.8953

■ 38.4798, 23.3709,
20.8953

■ 36.2325, 20.3446,
15.6200

■ 41.4577, 27.5934,
27.2320

■ 34.6436, 18.3830,
11.3413

■ 45.2253, 33.1178,
34.6869


■ 33.6270, 17.3279,
7.9869


■ 49.8373, 40.0423,
43.3134


■ 33.3499, 17.0727,
6.9724


■ 55.3430, 48.4546,
53.1613

■ 61.7877, 58.4352,
64.2772

 69.2137, 70.0587,
76.7051

 77.6604, 83.3950,
90.4870

 85.4810, 95.1411,
105.1014

 86.1230, 95.3980,
108.4822

Harmonies

Analogous

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



37.1299, 23.3709, 43.5534



38.4798, 23.3709, 20.8953



34.7937, 23.3709, 8.4948

Triad

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



38.4798, 23.3709, 20.8953



15.0081, 23.3709, 5.4045



17.3837, 23.3709, 80.3302

Complementary

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



38.4798, 23.3709, 20.8953



39.7332, 61.0776, 55.0471

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.



13.1027, 23.3709, 56.7236



38.4798, 23.3709, 20.8953



11.9465, 23.3709, 13.2165

Square

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



38.4798, 23.3709, 20.8953



20.5613, 23.3709, 3.1338



11.3310, 23.3709, 30.6158



23.9516, 23.3709, 86.3095

Rectangle

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



38.4798, 23.3709, 20.8953



30.3561, 23.3709, 4.8179



11.3310, 23.3709, 30.6158



15.6749, 23.3709, 73.7564

Sweetspot

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



38.4804, 23.3722, 20.8957



75.6318, 69.5653, 76.5258



36.4217, 21.0829, 76.2782



15.6919, 14.1212, 15.5228



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.



38.4804, 23.3722, 20.8957



45.3144, 24.7839, 17.5463



38.9532, 27.7945, 10.3347



14.5516, 14.4378, 15.8394



19.1139, 9.7798, 4.2290



1.4522, 0.7386, 0.5216

Inverse Universe

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



38.4804, 23.3722, 20.8957



45.3144, 24.7839, 17.5463



37.5360, 47.8990, 81.3956



14.5516, 14.4378, 15.8394



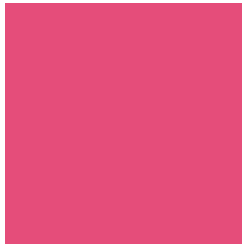
19.1139, 9.7798, 4.2290



1.4522, 0.7386, 0.5216

Previews

White Background



This preview shows how the XYZ color 38.4798, 23.3709, 20.8953 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 38.4798, 23.3709, 20.8953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

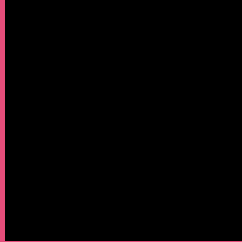
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4798, 23.3709, 20.8953

Background



This preview shows how black text looks on a background with the XYZ color 38.4798, 23.3709, 20.8953.



This preview shows how white text looks on a background with the XYZ color 38.4798, 23.3709,

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

38.4798, 23.3709, 20.8953

Protanopia

23.2070, 23.5483, 33.4591

Deuteranopia

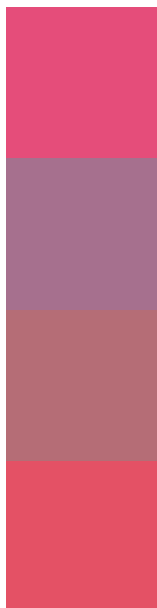
23.9506, 23.4485, 19.4833



Tritanopia

36.6520, 23.3928, 12.0347

Trichromacy



Original Color

38.4798, 23.3709, 20.8953

Protanomaly

26.4025, 21.6483, 28.3782

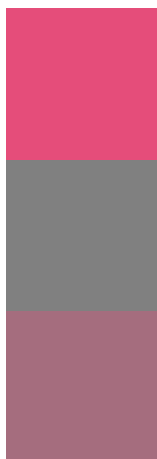
Deuteranomaly

27.7947, 22.0690, 19.9343

Tritanomaly

37.2863, 23.3184, 14.8476

Monochromacy



Original Color

38.4798, 23.3709, 20.8953

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.7516, 20.4430, 22.3800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4798, 23.3709, 20.8953 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(229, 77, 122)` looks like.

```
.text, #text, p{  
  color:rgb(229, 77, 122)  
}
```

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(229, 77, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 77, 122) }
```

Border

The CSS property to change the border of an element to XYZ 38.4798, 23.3709, 20.8953 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(229, 77, 122) }
```


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

```
.border{ border-color:rgb(229, 77, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 77, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 77, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 77, 122);  
box-shadow:4px 4px 4px 4px rgb(229, 77,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4798, 23.3709, 20.8953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 77, 122) }
```

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

```
.background{ background-color: rgb(229, 77,  
122) }
```

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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