

Converting Colors

XYZ(38.7917, 23.7436, 24.8561)

Have a look what the booklet for
XYZ(38.7917, 23.7436, 24.8561)
contains.

XYZ(38.7809, 23.7617, 24.7328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7809, 23.7617,
24.7328)**

Conversions

Conversions Part 1

Format	Color
Hex	E35085
RGB	227, 80, 133
RGB Percent	89%, 31%, 52%
CMY	0.1098, 0.6862, 0.4784
CMYK	0.00, 0.65, 0.41, 0.11
HSL	338°, 72%, 60%
HSV	338°, 65%, 89%
XYZ	38.7809, 23.7617, 24.7328
YIQ	129.9950, 70.5990, 47.6470

Conversions

Conversions Part 2

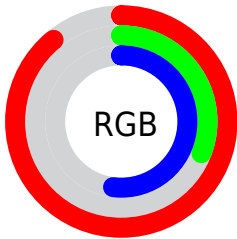
Format	Color
R_{YB}	227, 80, 133
Decimal	14897285
CIE _{Lab}	55.85, 61.16, 1.85
CIE _{LCh}	56, 61.185, 1.729
Yxy	23.7617, 0.4444, 0.2723
Android (android.graphics.Color)	4293087365 (0xFFE35085)
YUV	129.9950, 1.4815, 85.0734
Hunter-Lab	48.7460, 56.7040, 4.0395

Details

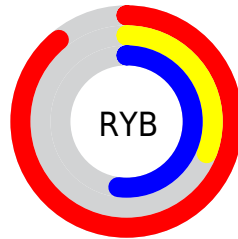
The XYZ color **38.7809, 23.7617, 24.7328** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **38.4189, 59.7004, 49.5471**, and the grayscale version is **21.1949, 22.2987, 24.2833**.

A 20% lighter version of the original color is **59.0486, 42.6965, 51.5834**, and **17.5909, 8.9641, 9.1906** is the 20% darker color. If you saturate the color by 10%, you get **36.4559, 20.6073, 19.3469**, and if you desaturate by 10%, it is **41.8070, 28.0964, 31.0366**.

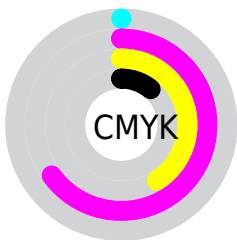
Distribution



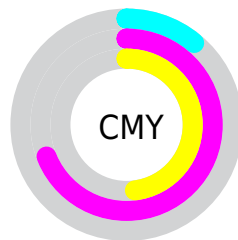
- Red (89%)
- Green (31%)
- Blue (52%)



- Red (89%)
- Yellow (31%)
- Blue (52%)



- Cyan (0%)
- Magenta (65%)
- Yellow (41%)
- Black (11%)





- Cyan (11%)
- Magenta (69%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7809, 23.7617, 24.7328 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 38.7809, 23.7617, 24.7328 by changing the saturation by 10% instead.


 38.7809, 23.7617,
24.7328


 38.7809, 23.7617,
24.7328

332.1813,
271.6135, 289.9096


 26.7693, 15.1569,
15.6609


 72.5997, 49.6410,
52.1821


 17.5357, 8.9296,
9.1328


 95.1376, 67.6844,
71.3967

 10.7148, 4.6953,
4.7299


 121.9150, 89.6428,
94.8291

 5.9413, 2.0696,
2.0337

 153.2972,
115.9006, 122.8981

 2.8497, 0.6475,
0.5759

189.6495,
146.8421, 156.0221

 1.0748, 0.0000,
0.0000

231.3374,

 0.0039, 0.0000,

182.8519, 194.6196

0.0000

278.7262,
224.3142, 239.1093

■ 0.0000, 0.0000,
0.0000

■ 38.7809, 23.7617,
24.7328

■ 38.7809, 23.7617,
24.7328

■ 36.4559, 20.6073,
19.3469

■ 41.8070, 28.0964,
31.0366

■ 34.7652, 18.5089,
14.8283

■ 45.5886, 33.7117,
38.3022

■ 33.6311, 17.3205,
11.1215

■ 50.1766, 40.7013,
46.5717

■ 33.1953, 16.9376,
9.4696

■ 55.6167, 49.1491,
55.8839

■ 61.9512, 59.1322,
66.2756

■ 69.2194, 70.7223,
77.7815

■ 77.4583, 83.9865,
90.4349

■ 84.5580, 94.6987,
103.5525

■ 85.4886, 95.0709,
108.4525

Harmonies

Analogous

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



36.5445, 23.7617, 48.6093



38.7809, 23.7617, 24.7328



35.9906, 23.7617, 10.4946

Triad

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



38.7809, 23.7617, 24.7328



16.2511, 23.7617, 5.0454



16.8194, 23.7617, 76.4533

Complementary

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



38.7809, 23.7617, 24.7328



38.4189, 59.7004, 49.5471

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.



13.0054, 23.7617, 51.7243



38.7809, 23.7617, 24.7328



12.7278, 23.7617, 11.6313

Square

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



38.7809, 23.7617, 24.7328



22.1833, 23.7617, 3.3580



11.6731, 23.7617, 27.0466



22.9911, 23.7617, 86.2228

Rectangle

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



38.7809, 23.7617, 24.7328



31.9318, 23.7617, 5.9372



11.6731, 23.7617, 27.0466



15.2669, 23.7617, 69.1498

Sweetspot

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



38.7815, 23.7630, 24.7332



76.9008, 71.0506, 80.1939



33.9909, 20.1807, 74.7768



15.9578, 14.4173, 16.3384



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.



38.7815, 23.7630, 24.7332



46.5425, 25.6514, 22.8531



37.6465, 25.9495, 10.6157



14.5906, 14.4534, 16.0446



19.4105, 9.8984, 5.7906



1.4776, 0.7488, 0.6556

Inverse Universe

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



38.7815, 23.7630, 24.7332



46.5425, 25.6514, 22.8531



39.5843, 52.0722, 80.6377



14.5906, 14.4534, 16.0446



19.4105, 9.8984, 5.7906



1.4776, 0.7488, 0.6556

Previews

White Background



This preview shows how the XYZ color 38.7809, 23.7617, 24.7328 looks on a white background.

Color Contrast Check

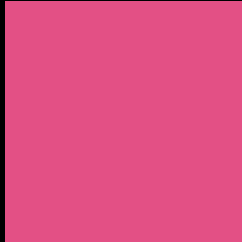
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7809, 23.7617, 24.7328 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 38.7809, 23.7617, 24.7328

Background



This preview shows how black text looks on a background with the XYZ color 38.7809, 23.7617, 24.7328.



This preview shows how white text looks on a background with the XYZ color 38.7809, 23.7617,

24.7328.

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

38.7809, 23.7617, 24.7328

Protanopia

23.9315, 24.0037, 38.9692

Deuteranopia

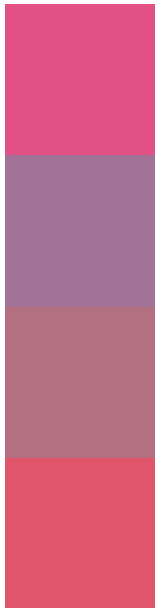
24.3262, 23.9557, 23.0804



Tritanopia

36.2506, 23.6349, 13.2410

Trichromacy



Original Color

38.7809, 23.7617, 24.7328

Protanomaly

26.8713, 22.1211, 32.9905

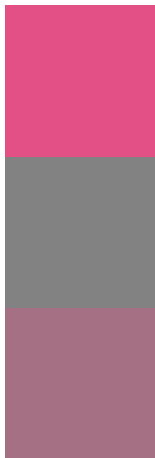
Deuteranomaly

28.1167, 22.6383, 23.6566

Tritanomaly

37.0066, 23.5873, 16.7897

Monochromacy



Original Color

38.7809, 23.7617, 24.7328

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

25.4080, 21.2264, 24.2307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7809, 23.7617, 24.7328 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(227, 80, 133)` looks like.

```
.text, #text, p{  
    color:rgb(227, 80, 133)  
}
```

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(227, 80, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 80, 133) }
```

Border

The CSS property to change the border of an element to XYZ 38.7809, 23.7617, 24.7328 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(227, 80, 133) }
```


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

```
.border{ border-color:rgb(227, 80, 133) }
```

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

Here you see how a box with a 4 pixel rgb(227, 80, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 80, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 80, 133);  
box-shadow:4px 4px 4px 4px rgb(227, 80,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7809, 23.7617, 24.7328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 80, 133) }
```

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

```
.background{ background-color: rgb(227, 80,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor