

Converting Colors

XYZ(38.2289, 23.9852, 19.3915)

Have a look what the booklet for
XYZ(38.2289, 23.9852, 19.3915)
contains.

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Color

**XYZ(38.2991, 23.9648,
19.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	E45375
RGB	228, 83, 117
RGB Percent	89%, 33%, 46%
CMY	0.1059, 0.6745, 0.5412
CMYK	0.00, 0.64, 0.49, 0.11
HSL	346°, 73%, 61%
HSV	346°, 64%, 89%
XYZ	38.2991, 23.9648, 19.4367
YIQ	130.2310, 75.5060, 41.3140

Conversions

Conversions Part 2

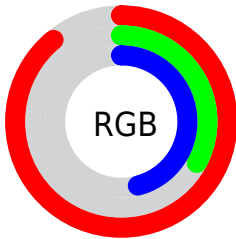
Format	Color
R_{YB}	228, 83, 117
Decimal	14963573
CIE _{Lab}	56.05, 58.74, 11.62
CIE _{LCh}	56, 59.873, 11.188
Yxy	23.9648, 0.4688, 0.2933
Android (android.graphics.Color)	4293153653 (0xFFE45375)
YUV	130.2310, -6.5229, 85.7434
Hunter-Lab	48.9539, 53.9804, 10.7271

Details

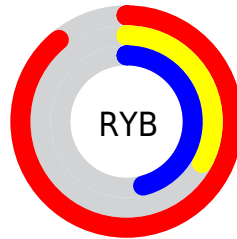
The XYZ color **38.2991, 23.9648, 19.4367** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **41.0499, 61.2216, 60.6968**, and the grayscale version is **21.3045, 22.4140, 24.4088**.

A 20% lighter version of the original color is **57.6341, 42.5898, 42.7191**, and **17.1958, 9.0157, 6.4641** is the 20% darker color. If you saturate the color by 10%, you get **35.9000, 20.6589, 14.0371**, and if you desaturate by 10%, it is **41.4641, 28.4965, 26.0361**.

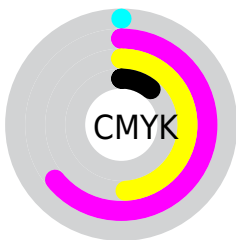
Distribution



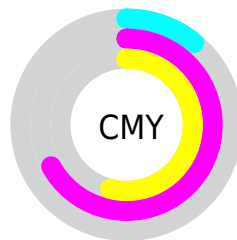
- Red (89%)
- Green (33%)
- Blue (46%)



- Red (89%)
- Yellow (33%)
- Blue (46%)



- Cyan (0%)
- Magenta (64%)
- Yellow (49%)
- Black (11%)





- Cyan (11%)
- Magenta (67%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2991, 23.9648, 19.4367 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 38.2991, 23.9648, 19.4367 by changing the saturation by 10% instead.


 38.2991, 23.9648,
19.4367


 38.2991, 23.9648,
19.4367


330.1600,
272.6425, 261.3517

 26.3932, 15.3075,
11.8063


 71.8673, 49.9728,
43.3172


 17.2522, 9.0355,
6.4910


 94.2603, 68.0922,
60.4044

 10.5109, 4.7643,
3.0723


 120.8797, 90.1345,
81.4808

 5.8038, 2.1097,
1.1317

 152.0908,
116.4840, 106.9651

 2.7657, 0.6701,
0.0000

188.2591,
147.5252, 137.2758

 1.0311, 0.0000,
0.0000

229.7498,

 0.0000, 0.0000,

183.6424, 172.8315

0.0000

276.9283,
225.2200, 214.0506

■ 38.2991, 23.9648,
19.4367

■ 38.2991, 23.9648,
19.4367

■ 35.9000, 20.6589,
14.0371

■ 41.4641, 28.4965,
26.0361

■ 34.1957, 18.4532,
9.7604

■ 45.4538, 34.3555,
33.9027


■ 33.1039, 17.2021,
6.5216


■ 50.3231, 41.6371,
43.1003


■ 32.6480, 16.7552,
4.9364

■ 56.1215, 50.4267,
53.6878

■ 62.8950, 60.8030,
65.7204

 70.6863, 72.8391,
79.2506

 79.5355, 86.6037,
94.3277

 85.8049, 95.2340,
108.4673

Harmonies

Analogous

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



37.6616, 23.9648, 40.2485



38.2991, 23.9648, 19.4367



34.1995, 23.9648, 8.2998

Triad

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



38.2991, 23.9648, 19.4367



15.1574, 23.9648, 6.7541



18.7884, 23.9648, 80.5761

Complementary

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



38.2991, 23.9648, 19.4367



41.0499, 61.2216, 60.6968

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.



14.2327, 23.9648, 59.6580



38.2991, 23.9648, 19.4367



12.4452, 23.9648, 15.7203

Square

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



38.2991, 23.9648, 19.4367



20.3163, 23.9648, 3.8235



12.1446, 23.9648, 34.1195



25.4306, 23.9648, 83.3612

Rectangle

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



38.2991, 23.9648, 19.4367



29.7349, 23.9648, 5.0311



12.1446, 23.9648, 34.1195



17.0005, 23.9648, 75.0758

Sweetspot

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



38.2997, 23.9661, 19.4371



76.0869, 70.7251, 75.9082



38.7730, 22.9633, 75.7876



15.7635, 14.3396, 15.3151



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.



38.2997, 23.9661, 19.4371



45.5541, 25.6728, 16.3639



40.1839, 30.3733, 11.9300



14.5148, 14.4231, 15.6451



18.8902, 9.6903, 3.0511



1.4313, 0.7302, 0.4119

Inverse Universe

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



38.2997, 23.9661, 19.4371



45.5541, 25.6728, 16.3639



36.3668, 45.0313, 80.1740



14.5148, 14.4231, 15.6451



18.8902, 9.6903, 3.0511



1.4313, 0.7302, 0.4119

Previews

White Background



This preview shows how the XYZ color 38.2991, 23.9648, 19.4367 looks on a white background.

Color Contrast Check

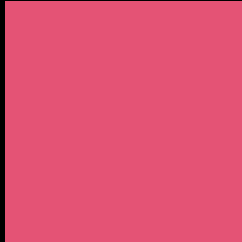
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2991, 23.9648, 19.4367 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 38.2991, 23.9648, 19.4367

Background



This preview shows how black text looks on a background with the XYZ color 38.2991, 23.9648, 19.4367.



This preview shows how white text looks on a background with the XYZ color 38.2991, 23.9648,

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

38.2991, 23.9648, 19.4367

Protanopia

23.3907, 24.1321, 29.8107

Deuteranopia

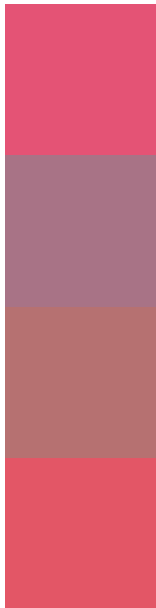
24.5074, 24.1590, 18.1233



Tritanopia

37.1441, 24.1007, 13.0501

Trichromacy



Original Color

38.2991, 23.9648, 19.4367

Protanomaly

26.5823, 22.3075, 25.4590

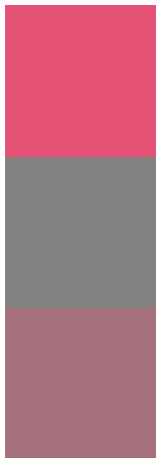
Deuteranomaly

28.1772, 22.9476, 18.5670

Tritanomaly

37.4046, 23.9458, 15.2209

Monochromacy



Original Color

38.2991, 23.9648, 19.4367

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

25.3327, 21.3979, 22.1971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2991, 23.9648, 19.4367 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(228, 83, 117)` looks like.

```
.text, #text, p{  
    color:rgb(228, 83, 117)  
}
```

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(228, 83, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 83, 117) }
```

Border

The CSS property to change the border of an element to XYZ 38.2991, 23.9648, 19.4367 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(228, 83, 117) }
```


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

```
.border{ border-color:rgb(228, 83, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 83, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 83, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 83, 117); box-shadow:4px 4px 4px 4px rgb(228, 83, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2991, 23.9648, 19.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 83, 117) }
```

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

```
.background{ background-color: rgb(228, 83,  
117) }
```

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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