

Converting Colors

XYZ(38.0501, 23.7447, 18.4845)

Have a look what the booklet for
XYZ(38.0501, 23.7447, 18.4845)
contains.

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Color

**XYZ(38.0495, 23.7435,
18.4971)**

Conversions

Conversions Part 1

Format	Color
Hex	E45272
RGB	228, 82, 114
RGB Percent	89%, 32%, 45%
CMY	0.1059, 0.6784, 0.5529
CMYK	0.00, 0.64, 0.50, 0.11
HSL	347°, 73%, 61%
HSV	347°, 64%, 89%
XYZ	38.0495, 23.7435, 18.4971
YIQ	129.3020, 76.7440, 40.9040

Conversions

Conversions Part 2

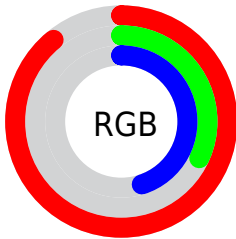
Format	Color
R_{YB}	228, 82, 114
Decimal	14963314
CIE _{Lab}	55.83, 58.89, 13.08
CIE _{LCh}	56, 60.325, 12.521
Yxy	23.7435, 0.4739, 0.2957
Android (android.graphics.Color)	4293153394 (0xFFE45272)
YUV	129.3020, -7.5439, 86.5581
Hunter-Lab	48.7273, 54.1118, 11.6024

Details

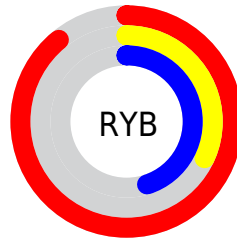
The XYZ color **38.0495, 23.7435, 18.4971** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **41.1885, 61.2668, 61.8843**, and the grayscale version is **20.9801, 22.0727, 24.0371**.

A 20% lighter version of the original color is **57.2114, 42.1901, 41.2045**, and **17.0636, 8.8967, 5.9721** is the 20% darker color. If you saturate the color by 10%, you get **35.6900, 20.4916, 13.1881**, and if you desaturate by 10%, it is **41.1785, 28.2188, 25.0361**.

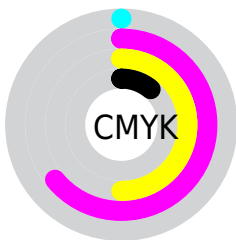
Distribution



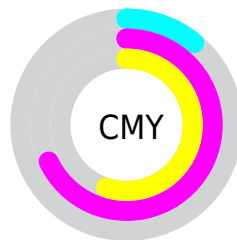
- Red (89%)
- Green (32%)
- Blue (45%)



- Red (89%)
- Yellow (32%)
- Blue (45%)



- Cyan (0%)
- Magenta (64%)
- Yellow (50%)
- Black (11%)





- Cyan (11%)
- Magenta (68%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0495, 23.7435, 18.4971 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 38.0495, 23.7435, 18.4971 by changing the saturation by 10% instead.


 38.0495, 23.7435,
18.4971


 38.0495, 23.7435,
18.4971


329.1094,
271.5211, 255.9878


 26.1985, 15.1435,
11.1343


 71.4874, 49.6113,
41.7079


 17.1057, 8.9201,
6.0420


 93.8050, 67.6479,
58.3930

 10.4056, 4.6891,
2.8014


 120.3422, 89.5987,
79.0226

 5.7330, 2.0660,
0.9941

 151.4644,
115.8482, 104.0154

 2.7225, 0.6454,
0.0000

187.5368,
146.7808, 133.7897

 1.0088, 0.0000,
0.0000

228.9249,

 0.0000, 0.0000,

182.7809, 168.7642

0.0000

275.9940,
224.2329, 209.3573

■ 38.0495, 23.7435,
18.4971

■ 38.0495, 23.7435,
18.4971

■ 35.6900, 20.4916,
13.1881

■ 41.1785, 28.2188,
25.0361

■ 34.0275, 18.3363,
9.0277

■ 45.1366, 34.0199,
32.8765


■ 32.9780, 17.1301,
5.9254


■ 49.9797, 41.2427,
42.0855


■ 32.5698, 16.7239,
4.5248

■ 55.7582, 49.9732,
52.7253

■ 62.5186, 60.2905,
64.8541

 70.3041, 72.2683,
78.5267

 79.1555, 85.9756,
93.7955

 85.8048, 95.2339,
108.4673

Harmonies

Analogous

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



37.6326, 23.7435, 38.9410



38.0495, 23.7435, 18.4971



33.7528, 23.7435, 7.8032

Triad

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



38.0495, 23.7435, 18.4971



14.7747, 23.7435, 6.8087



18.8327, 23.7435, 81.2207

Complementary

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



38.0495, 23.7435, 18.4971



41.1885, 61.2668, 61.8843

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.



14.1745, 23.7435, 60.7131



38.0495, 23.7435, 18.4971



12.1789, 23.7435, 16.0846

Square

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



38.0495, 23.7435, 18.4971



19.8269, 23.7435, 3.7300



11.9842, 23.7435, 34.9378



25.5497, 23.7435, 83.0490

Rectangle

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



38.0495, 23.7435, 18.4971



29.2179, 23.7435, 4.7340



11.9842, 23.7435, 34.9378



17.0115, 23.7435, 75.9386

Sweetspot

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



38.0501, 23.7448, 18.4975



75.9901, 70.6864, 75.3983



39.2531, 23.0981, 75.7881



15.7405, 14.3304, 15.1938



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.



38.0501, 23.7448, 18.4975



45.1683, 25.3050, 14.9903



40.3482, 30.7634, 11.7958



14.5056, 14.4194, 15.5971



18.8432, 9.6715, 2.8031



1.4267, 0.7284, 0.3874

Inverse Universe

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



38.0501, 23.7448, 18.4975



45.1683, 25.3050, 14.9903



35.6964, 43.8205, 79.9754



14.5056, 14.4194, 15.5971



18.8432, 9.6715, 2.8031



1.4267, 0.7284, 0.3874

Previews

White Background



This preview shows how the XYZ color 38.0495, 23.7435, 18.4971 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 38.0495, 23.7435, 18.4971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

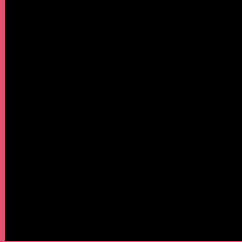
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0495, 23.7435, 18.4971

Background



This preview shows how black text looks on a background with the XYZ color 38.0495, 23.7435, 18.4971.



This preview shows how white text looks on a background with the XYZ color 38.0495, 23.7435,

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

38.0495, 23.7435, 18.4971

Protanopia

23.1869, 23.8490, 28.5805

Deuteranopia

24.2144, 23.8300, 17.2333



Tritanopia

36.9381, 23.7592, 12.7643

Trichromacy



Original Color

38.0495, 23.7435, 18.4971

Protanomaly

26.4762, 22.1083, 24.3446

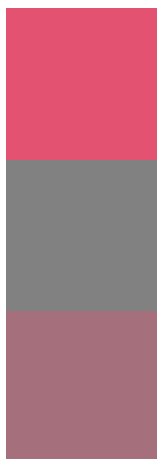
Deuteranomaly

27.9000, 22.6592, 17.6550

Tritanomaly

37.2273, 23.7480, 14.6783

Monochromacy



Original Color

38.0495, 23.7435, 18.4971

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.9493, 21.0429, 21.8155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0495, 23.7435, 18.4971 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, 82, 114)` looks like.

```
.text, #text, p{  
    color:rgb(228, 82, 114)  
}
```

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, 82, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 82, 114) }
```

Border

The CSS property to change the border of an element to XYZ 38.0495, 23.7435, 18.4971 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, 82, 114) }
```


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

```
.border{ border-color:rgb(228, 82, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 82, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 82, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 82, 114);  
box-shadow:4px 4px 4px 4px rgb(228, 82,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0495, 23.7435, 18.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 82, 114) }
```

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

```
.background{ background-color: rgb(228, 82,  
114) }
```

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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