

Converting Colors

XYZ(40.3937, 23.5805, 19.7417)

Have a look what the booklet for
XYZ(40.3937, 23.5805, 19.7417)
contains.

XYZ(40.3829, 23.5927, 19.8782)	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(40.3829, 23.5927,
19.8782)**

Conversions

Conversions Part 1

Format	Color
Hex	ED4577
RGB	237, 69, 119
RGB Percent	93%, 27%, 47%
CMY	0.0706, 0.7294, 0.5333
CMYK	0.00, 0.71, 0.50, 0.07
HSL	342°, 82%, 60%
HSV	342°, 71%, 93%
XYZ	40.3829, 23.5927, 19.8782
YIQ	124.9320, 84.0780, 51.1660

Conversions

Conversions Part 2

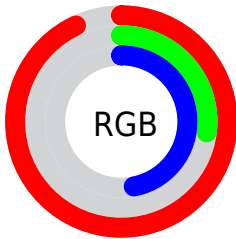
Format	Color
R_{YB}	237, 69, 119
Decimal	15549815
CIE Lab	55.68, 66.93, 10.12
CIE LCh	56, 67.692, 8.601
Yxy	23.5927, 0.4816, 0.2814
Android (android.graphics.Color)	4293739895 (0xFFED4577)
YUV	124.9320, -2.9245, 98.2836
Hunter-Lab	48.5723, 63.4029, 9.7362

Details

The XYZ color **40.3829, 23.5927, 19.8782** 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 **41.7099, 65.4220, 57.4490**, and the grayscale version is **19.4614, 20.4749, 22.2972**.

A 20% lighter version of the original color is **56.3099, 39.6386, 43.2112**, and **18.8165, 9.5689, 6.8165** is the 20% darker color. If you saturate the color by 10%, you get **38.2910, 20.8714, 14.6728**, and if you desaturate by 10%, it is **43.2329, 27.5502, 26.2007**.

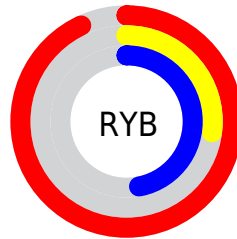
Distribution



Red (93%)

Green (27%)

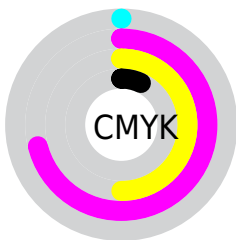
Blue (47%)



Red (93%)

Yellow (27%)

Blue (47%)

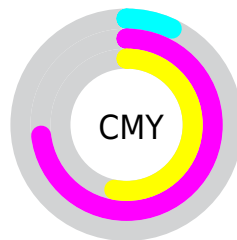


Cyan (0%)

Magenta (71%)

Yellow (50%)

Black (7%)



Cyan (7%)


Magenta (73%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3829, 23.5927, 19.8782 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 40.3829, 23.5927, 19.8782 by changing the saturation by 10% instead.


 40.3829, 23.5927,
19.8782


 40.3829, 23.5927,
19.8782


338.8416,
270.7548, 263.8374


 28.0228, 15.0318,
12.1233


 75.0269, 49.3647,
44.0692


 18.4834, 8.8417,
6.7042


 98.0414, 67.3446,
61.3424


 11.3993, 4.6381,
3.2022


 125.3381, 89.2329,
82.6254

 6.4054, 2.0365,
1.1988

 157.2823,
115.4140, 108.3368

 3.1361, 0.6286,
0.0000

 194.2394,
146.2724, 138.8952

 1.2261, 0.0000,
0.0000

236.5748,

 0.1269, 0.0000,

182.1924, 174.7191

0.0000

284.6537,
223.5584, 216.2269

■ 0.0000, 0.0000,
0.0000

■ 40.3829, 23.5927,
19.8782

■ 40.3829, 23.5927,
19.8782

■ 38.2910, 20.8714,
14.6728

■ 43.2329, 27.5502,
26.2007

■ 36.8723, 19.2307,
10.5105


■ 46.9095, 32.8670,
33.7043


■ 36.0470, 18.4533,
7.5436


■ 51.4753, 39.6556,
42.4493


■ 56.9860, 48.0157,
52.4908

■ 63.4927, 58.0380,
63.8809

 71.0427, 69.8065,
76.6683

 79.6803, 83.3993,
90.8994

 88.2841, 96.5641,
106.2309

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



39.1373, 23.5927, 44.3728



40.3829, 23.5927, 19.8782



36.0280, 23.5927, 7.3270

Triad

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



40.3829, 23.5927, 19.8782



14.4280, 23.5927, 4.8058



17.4649, 23.5927, 88.4423

Complementary

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



40.3829, 23.5927, 19.8782



41.7099, 65.4220, 57.4490

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.



12.7650, 23.5927, 62.0502



40.3829, 23.5927, 19.8782



11.3100, 23.5927, 13.1600

Square

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



40.3829, 23.5927, 19.8782



20.2912, 23.5927, 2.4746



10.7797, 23.5927, 32.5331



24.7016, 23.5927, 94.1116

Rectangle

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



40.3829, 23.5927, 19.8782



31.0131, 23.5927, 3.8779



10.7797, 23.5927, 32.5331



15.5883, 23.5927, 81.1908

Sweetspot

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



40.3835, 23.5940, 19.8786



74.8063, 68.2732, 75.1439



37.8114, 20.8869, 82.1590



15.5313, 13.8702, 15.2529



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.



40.3835, 23.5940, 19.8786



44.3767, 23.6365, 14.9895



40.8109, 28.0572, 8.8967



15.2499, 15.1278, 16.6013



19.7307, 10.0950, 4.3834



1.5903, 0.8091, 0.5600

Inverse Universe

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



40.3835, 23.5940, 19.8786



44.3767, 23.6365, 14.9895



39.1920, 50.2820, 87.7601



15.2499, 15.1278, 16.6013



19.7307, 10.0950, 4.3834



1.5903, 0.8091, 0.5600

Previews

White Background



This preview shows how the XYZ color 40.3829, 23.5927, 19.8782 looks on a white background.

Color Contrast Check

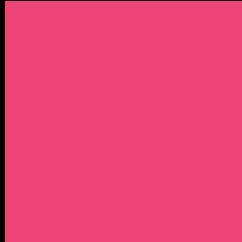
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3829, 23.5927, 19.8782 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 40.3829, 23.5927, 19.8782

Background



This preview shows how black text looks on a background with the XYZ color 40.3829, 23.5927, 19.8782.



This preview shows how white text looks on a background with the XYZ color 40.3829, 23.5927,

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

40.3829, 23.5927, 19.8782

Protanopia

23.4262, 23.8540, 33.9414

Deuteranopia

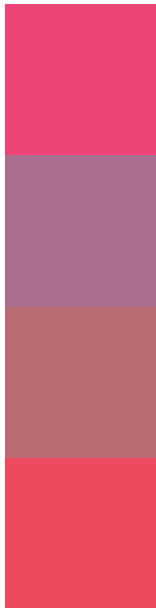
24.2371, 23.8168, 18.3586



Tritanopia

38.4000, 23.5640, 10.3090

Trichromacy



Original Color

40.3829, 23.5927, 19.8782

Protanomaly

26.7458, 21.5100, 27.9415

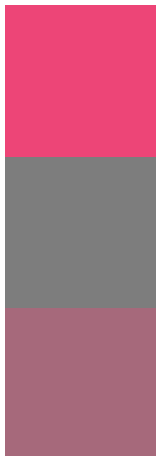
Deuteranomaly

28.3025, 22.0446, 18.6829

Tritanomaly

39.1064, 23.5566, 13.3122

Monochromacy



Original Color

40.3829, 23.5927, 19.8782

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

24.3526, 19.6402, 21.2463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3829, 23.5927, 19.8782 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(237, 69, 119)` looks like.

```
.text, #text, p{  
    color:rgb(237, 69, 119)  
}
```

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(237, 69, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 69, 119) }
```

Border

The CSS property to change the border of an element to XYZ 40.3829, 23.5927, 19.8782 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(237, 69, 119) }
```


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

```
.border{ border-color:rgb(237, 69, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 69, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 69, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 69, 119);  
box-shadow:4px 4px 4px 4px rgb(237, 69,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3829, 23.5927, 19.8782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 69, 119) }
```

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

```
.background{ background-color: rgb(237, 69,  
119) }
```

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