

Converting Colors

XYZ(37.5485, 23.1770, 19.0014)

Have a look what the booklet for
XYZ(37.5485, 23.1770, 19.0014)
contains.

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Color

**XYZ(37.6269, 23.1838,
19.0148)**

Conversions

Conversions Part 1

Format	Color
Hex	E34F74
RGB	227, 79, 116
RGB Percent	89%, 31%, 45%
CMY	0.1098, 0.6902, 0.5451
CMYK	0.00, 0.65, 0.49, 0.11
HSL	345°, 73%, 60%
HSV	345°, 65%, 89%
XYZ	37.6269, 23.1838, 19.0148
YIQ	127.4700, 76.3310, 42.8830

Conversions

Conversions Part 2

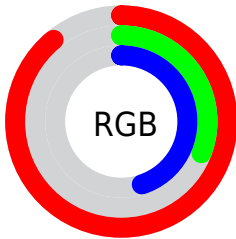
Format	Color
R_{YB}	227, 79, 116
Decimal	14897012
CIE Lab	55.26, 59.97, 11.07
CIE LCh	55, 60.986, 10.461
Yxy	23.1838, 0.4714, 0.2904
Android (android.graphics.Color)	4293087092 (0xFFE34F74)
YUV	127.4700, -5.6547, 87.2878
Hunter-Lab	48.1496, 55.2287, 10.2904

Details

The XYZ color **37.6269, 23.1838, 19.0148** 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 **39.9893, 60.3187, 58.2548**, and the grayscale version is **20.3361, 21.3952, 23.2993**.

A 20% lighter version of the original color is **57.1120, 41.6955, 42.0837**, and **16.8127, 8.6112, 6.2448** is the 20% darker color. If you saturate the color by 10%, you get **35.3586, 20.0896, 13.8121**, and if you desaturate by 10%, it is **40.6367, 27.4707, 25.3605**.

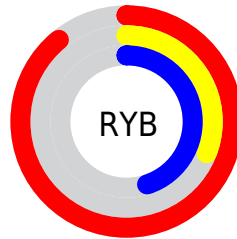
Distribution



Red (89%)

Green (31%)

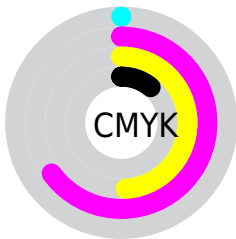
Blue (45%)



Red (89%)

Yellow (31%)

Blue (45%)

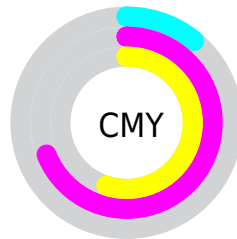


Cyan (0%)

Magenta (65%)

Yellow (49%)

Black (11%)



Cyan (11%)


Magenta (69%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6269, 23.1838, 19.0148 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 37.6269, 23.1838, 19.0148 by changing the saturation by 10% instead.

 37.6269, 23.1838,
19.0148


 37.6269, 23.1838,
19.0148

327.3254,
268.6676, 258.9559


 25.8691, 14.7293,
11.5041


 70.8435, 48.6950,
42.5961


 16.8579, 8.6296,
6.2885


 93.0331, 66.5204,
59.5038


 10.2279, 4.5004,
2.9497


 119.4306, 88.2382,
80.3809

 5.6138, 1.9572,
1.0690

 150.4015,
114.2329, 105.6459

 2.6501, 0.5824,
0.0000

 186.3110,
144.8888, 135.7173

 0.9715, 0.0000,
0.0000

227.5246,

 0.0000, 0.0000,

180.5903, 171.0138

0.0000

274.4076,
221.7217, 211.9538

■ 37.6269, 23.1838,
19.0148

■ 37.6269, 23.1838,
19.0148

■ 35.3586, 20.0896,
13.8121

■ 40.6367, 27.4707,
25.3605

■ 33.7604, 18.0611,
9.6792

■ 44.4467, 33.0526,
32.9135


■ 32.7490, 16.9489,
6.5347


■ 49.1114, 40.0251,
41.7344


■ 32.4105, 16.6237,
5.3375

■ 54.6800, 48.4738,
51.8792

■ 61.1980, 58.4772,
63.4004

 68.7074, 70.1083,
76.3478

 77.2481, 83.4355,
90.7684

 85.0421, 94.8923,
106.1021

 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



36.8640, 23.1838, 40.0179



37.6269, 23.1838, 19.0148



33.6065, 23.1838, 7.8636

Triad

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



37.6269, 23.1838, 19.0148



14.5683, 23.1838, 6.0844



17.9308, 23.1838, 79.8244

Complementary

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



37.6269, 23.1838, 19.0148



39.9893, 60.3187, 58.2548

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.



13.4817, 23.1838, 58.3376



37.6269, 23.1838, 19.0148



11.8361, 23.1838, 14.6428

Square

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



37.6269, 23.1838, 19.0148



19.7373, 23.1838, 3.3856



11.4844, 23.1838, 32.7018



24.5056, 23.1838, 83.1881

Rectangle

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



37.6269, 23.1838, 19.0148



29.1607, 23.1838, 4.6294



11.4844, 23.1838, 32.7018



16.1772, 23.1838, 74.1039

Sweetspot

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



37.6275, 23.1851, 19.0152



75.3245, 69.4424, 74.9076



37.8974, 22.0867, 74.9385



15.6192, 14.0921, 15.1401



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.



37.6275, 23.1851, 19.0152



45.2510, 25.1349, 16.0523



39.3362, 29.3878, 10.9980



14.5240, 14.4268, 15.6939



18.9414, 9.7108, 3.3203



1.4363, 0.7322, 0.4379

Inverse Universe

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



37.6275, 23.1851, 19.0152



45.2510, 25.1349, 16.0523



35.5042, 44.0365, 79.3014



14.5240, 14.4268, 15.6939



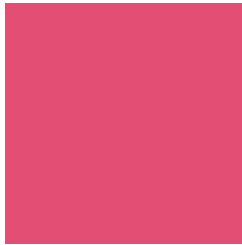
18.9414, 9.7108, 3.3203



1.4363, 0.7322, 0.4379

Previews

White Background



This preview shows how the XYZ color 37.6269, 23.1838, 19.0148 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 37.6269, 23.1838, 19.0148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

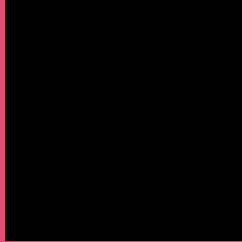
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6269, 23.1838, 19.0148

Background



This preview shows how black text looks on a background with the XYZ color 37.6269, 23.1838, 19.0148.



This preview shows how white text looks on a background with the XYZ color 37.6269, 23.1838,

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

37.6269, 23.1838, 19.0148

Protanopia

22.8010, 23.4217, 29.7046

Deuteranopia

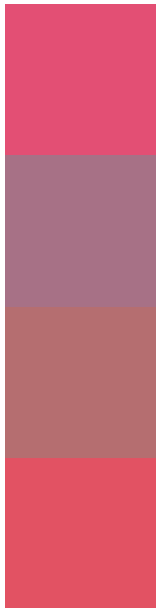
23.8059, 23.4125, 17.7324



Tritanopia

36.0248, 23.0695, 12.0053

Trichromacy



Original Color

37.6269, 23.1838, 19.0148

Protanomaly

26.1446, 21.7470, 25.3739

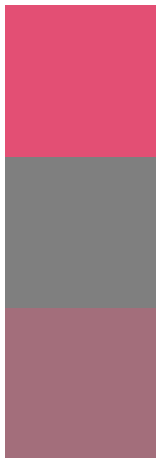
Deuteranomaly

27.5566, 22.1455, 18.1513

Tritanomaly

36.6335, 23.1042, 14.3331

Monochromacy



Original Color

37.6269, 23.1838, 19.0148

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

24.2553, 20.3685, 21.3920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6269, 23.1838, 19.0148 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, 79, 116)` looks like.

```
.text, #text, p{  
    color:rgb(227, 79, 116)  
}
```

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, 79, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 79, 116) }
```

Border

The CSS property to change the border of an element to XYZ 37.6269, 23.1838, 19.0148 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, 79, 116) }
```


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

```
.border{ border-color:rgb(227, 79, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 79, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 79, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 79, 116);  
box-shadow:4px 4px 4px 4px rgb(227, 79,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6269, 23.1838, 19.0148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 79, 116) }
```

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

```
.background{ background-color: rgb(227, 79,  
116) }
```

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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