

Converting Colors

XYZ(36.6819, 18.8830, 23.4196)

Have a look what the booklet for
XYZ(36.6819, 18.8830, 23.4196)
contains.

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Color

**XYZ(36.7844, 18.9367,
23.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	E51784
RGB	229, 23, 132
RGB Percent	90%, 9%, 52%
CMY	0.1020, 0.9097, 0.4824
CMYK	0.00, 0.90, 0.42, 0.10
HSL	328°, 82%, 49%
HSV	328°, 90%, 90%
XYZ	36.7844, 18.9367, 23.5462
YIQ	97.0200, 87.7870, 77.5710

Conversions

Conversions Part 2

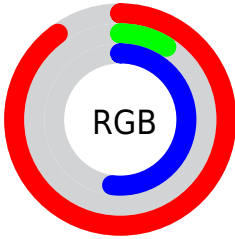
Format	Color
R_{YB}	229, 23, 132
Decimal	15013764
CIE _{Lab}	50.61, 77.25, -5.20
CIE _{LCh}	51, 77.421, 356.151
Yxy	18.9367, 0.4641, 0.2389
Android (android.graphics.Color)	4293203844 (0xFFE51784)
YUV	97.0200, 17.2451, 115.7465
Hunter-Lab	43.5163, 74.7327, -1.6197

Details

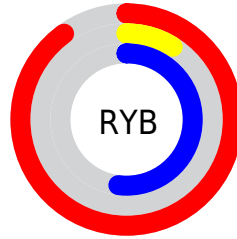
The XYZ color **36.7844, 18.9367, 23.5462** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **31.7650, 57.5778, 27.2168**, and the grayscale version is **11.3143, 11.9035, 12.9629**.

A 20% lighter version of the original color is **54.5541, 33.8771, 49.5626**, and **17.4977, 8.8400, 8.9677** is the 20% darker color. If you saturate the color by 10%, you get **35.7790, 18.0465, 19.7563**, and if you desaturate by 10%, it is **38.2289, 20.5829, 27.8592**.

Distribution



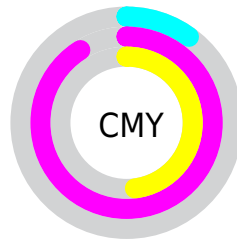
- Red (90%)
- Green (9%)
- Blue (52%)



- Red (90%)
- Yellow (9%)
- Blue (52%)



- Cyan (0%)
- Magenta (90%)
- Yellow (42%)
- Black (10%)





- Cyan (10%)
- Magenta (91%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7844, 18.9367, 23.5462 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 36.7844, 18.9367, 23.5462 by changing the saturation by 10% instead.

 36.7844, 18.9367,
23.5462


 36.7844, 18.9367,
23.5462


323.7479,
246.0991, 283.7304

 25.2135, 11.6245,
14.7883


 69.5571, 41.6271,
50.2232


 16.3658, 6.4886,
8.5259

 91.4895, 57.7742,
68.9792


 9.8758, 3.1444,
4.3407


 117.6066, 77.6350,
91.9051

 5.3783, 1.2076,
1.8141

 148.2736,
101.5939, 119.4194

 2.5079, 0.0679,
0.4372

 183.8558,
130.0354, 151.9405

 0.8993, 0.0000,
0.0000

 224.7187,

 0.0000, 0.0000,

163.3438, 189.8870

0.0000

271.2277,
201.9036, 233.6774

■ 36.7844, 18.9367,
23.5462

■ 36.7844, 18.9367,
23.5462

■ 35.7790, 18.0465,
19.7563

■ 38.2289, 20.5829,
27.8592

■ 35.7740, 18.0424,
19.7367

■ 40.2274, 23.2116,
32.7440

■ 42.8494, 26.9580,
38.2345

■ 46.1526, 31.9348,
44.3599

■ 50.1883, 38.2410,
51.1469

■ 55.0023, 45.9652,
58.6203

■ 60.6364, 55.1885,
66.8030

■ 67.1297, 65.9857,
75.7168

■ 74.5183, 78.4266,
85.3824

Harmonies

Analogous

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



33.0009, 18.9367, 53.6570



36.7844, 18.9367, 23.5462



34.4866, 18.9367, 7.1602

Triad

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



36.7844, 18.9367, 23.5462



12.3141, 18.9367, 1.2698



11.0460, 18.9367, 78.2559

Complementary

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



36.7844, 18.9367, 23.5462



31.7650, 57.5778, 27.2168

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.



7.8376, 18.9367, 44.9981



36.7844, 18.9367, 23.5462



8.4125, 18.9367, 5.0223

Square

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



36.7844, 18.9367, 23.5462



18.9938, 18.9367, 0.7003



7.0296, 18.9367, 17.9448



17.0391, 18.9367, 96.4787

Rectangle

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



36.7844, 18.9367, 23.5462



30.0865, 18.9367, 2.7976



7.0296, 18.9367, 17.9448



9.6792, 18.9367, 67.6785

Sweetspot

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



36.7849, 18.9378, 23.5465



72.0928, 61.7459, 77.6315



22.0777, 10.2033, 74.9347



14.9330, 12.4072, 15.8751



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.



36.7849, 18.9378, 23.5465



45.6070, 23.0068, 24.9265



32.8530, 17.3650, 2.8413



14.6940, 14.4948, 16.5892



20.5152, 10.3403, 11.6078



1.5629, 0.7829, 1.1046

Inverse Universe

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



36.7849, 18.9378, 23.5465



45.6070, 23.0068, 24.9265



41.5761, 61.5023, 78.8815



14.6940, 14.4948, 16.5892



20.5152, 10.3403, 11.6078



1.5629, 0.7829, 1.1046

Previews

White Background



This preview shows how the XYZ color 36.7844, 18.9367, 23.5462 looks on a white background.

Color Contrast Check

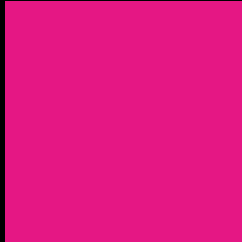
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7844, 18.9367, 23.5462 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 36.7844, 18.9367, 23.5462

Background



This preview shows how black text looks on a background with the XYZ color 36.7844, 18.9367, 23.5462.



This preview shows how white text looks on a background with the XYZ color 36.7844, 18.9367,

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

36.7844, 18.9367, 23.5462

Protanopia

20.4962, 19.3229, 49.6631

Deuteranopia

19.6642, 19.3486, 21.1106



Tritanopia

33.1560, 19.0353, 5.7976

Trichromacy



Original Color

36.7844, 18.9367, 23.5462



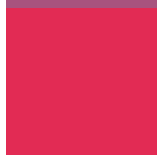
Protanomaly

21.8224, 15.1504, 38.3334



Deuteranomaly

23.0076, 16.0177, 21.6178



Tritanomaly

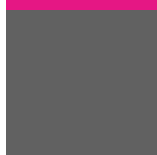
33.8281, 18.5366, 10.1825

Monochromacy



Original Color

36.7844, 18.9367, 23.5462



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

16.6817, 11.5258, 16.0973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7844, 18.9367, 23.5462 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(229, 23, 132)` looks like.

```
.text, #text, p{  
    color:rgb(229, 23, 132)  
}
```

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(229, 23, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 23, 132) }
```

Border

The CSS property to change the border of an element to XYZ 36.7844, 18.9367, 23.5462 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(229, 23, 132) }
```


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

```
.border{ border-color:rgb(229, 23, 132) }
```

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

Here you see how a box with a 4 pixel rgb(229, 23, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 23, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 23, 132);  
box-shadow:4px 4px 4px 4px rgb(229, 23,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7844, 18.9367, 23.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 23, 132) }
```

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

```
.background{ background-color: rgb(229, 23,  
132) }
```

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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