

Converting Colors

XYZ(36.3791, 19.3485, 22.8042)

Have a look what the booklet for
XYZ(36.3791, 19.3485, 22.8042)
contains.

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Color

**XYZ(36.4333, 19.3936,
22.9422)**

Conversions

Conversions Part 1

Format	Color
Hex	E32782
RGB	227, 39, 130
RGB Percent	89%, 15%, 51%
CMY	0.1098, 0.8470, 0.4902
CMYK	0.00, 0.83, 0.43, 0.11
HSL	331°, 77%, 52%
HSV	331°, 83%, 89%
XYZ	36.4333, 19.3936, 22.9422
YIQ	105.5860, 82.8370, 68.1570

Conversions

Conversions Part 2

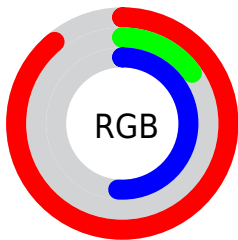
Format	Color
R_{YB}	227, 39, 130
Decimal	14886786
CIE _{Lab}	51.14, 73.79, -3.24
CIE _{LCh}	51, 73.864, 357.482
Yxy	19.3936, 0.4625, 0.2462
Android (android.graphics.Color)	4293076866 (0xFFE32782)
YUV	105.5860, 12.0361, 106.4801
Hunter-Lab	44.0382, 70.6084, -0.0611

Details

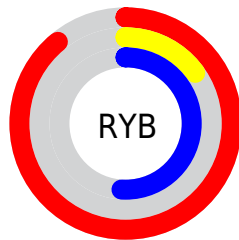
The XYZ color **36.4333, 19.3936, 22.9422** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **32.7514, 57.1477, 32.6030**, and the grayscale version is **13.5410, 14.2462, 15.5141**.

A 20% lighter version of the original color is **55.0449, 35.1943, 48.6917**, and **17.2111, 8.7011, 8.5569** is the 20% darker color. If you saturate the color by 10%, you get **35.1556, 18.0257, 18.8556**, and if you desaturate by 10%, it is **38.2467, 21.6898, 27.6493**.

Distribution



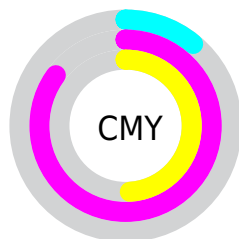
- Red (89%)
- Green (15%)
- Blue (51%)



- Red (89%)
- Yellow (15%)
- Blue (51%)



- Cyan (0%)
- Magenta (83%)
- Yellow (43%)
- Black (11%)





- Cyan (11%)
- Magenta (85%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4333, 19.3936, 22.9422 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 36.4333, 19.3936, 22.9422 by changing the saturation by 10% instead.


 36.4333, 19.3936,
22.9422


 36.4333, 19.3936,
22.9422


322.2488,
248.6131, 280.5403


 24.9407, 11.9550,
14.3459


 69.0198, 42.3981,
49.2204


 16.1614, 6.7131,
8.2202


 90.8445, 58.7329,
67.7394


 9.7300, 3.2833,
4.1464


 116.8438, 78.8018,
90.4031

 5.2812, 1.2814,
1.7060

 147.3832,
102.9894, 117.6299

 2.4496, 0.1267,
0.3648

 182.8281,
131.6799, 149.8386

 0.8699, 0.0000,
0.0000

223.5437,

 0.0000, 0.0000,

165.2577, 187.4475

0.0000

269.8955,
204.1073, 230.8752

■ 36.4333, 19.3936,
22.9422

■ 36.4333, 19.3936,
22.9422

■ 35.1556, 18.0257,
18.8556

■ 38.2467, 21.6898,
27.6493

■ 34.4858, 17.4538,
16.2654

■ 40.6663, 25.0504,
33.0140

■ 43.7526, 29.5923,
39.0700

■ 47.5579, 35.4158,
45.8477

■ 52.1290, 42.6107,
53.3749

57.5087, 51.2584,
61.6779

63.7362, 61.4340,
70.7813

70.8485, 73.2074,
80.7085

78.8799, 86.6441,
91.4817

Harmonies

Analogous

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



33.0786, 19.3936, 51.1488



36.4333, 19.3936, 22.9422



34.0026, 19.3936, 7.4169

Triad

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



36.4333, 19.3936, 22.9422



12.6571, 19.3936, 1.7257



11.8395, 19.3936, 76.8246

Complementary

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



36.4333, 19.3936, 22.9422



32.7514, 57.1477, 32.6030

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.



8.5333, 19.3936, 45.7999



36.4333, 19.3936, 22.9422



8.9097, 19.3936, 5.9888

Square

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



36.4333, 19.3936, 22.9422



19.0600, 19.3936, 1.0065



7.6228, 19.3936, 19.3900



17.8200, 19.3936, 92.7056

Rectangle

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



36.4333, 19.3936, 22.9422



29.7108, 19.3936, 3.1387



7.6228, 19.3936, 19.3900



10.4455, 19.3936, 67.1151

Sweetspot

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



36.4338, 19.3947, 22.9425



73.1243, 63.9103, 77.6629



24.2653, 11.9854, 73.7074



15.1144, 12.8146, 15.7982



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.



36.4338, 19.3947, 22.9425



44.9525, 22.7893, 21.3431



32.7710, 17.9296, 3.6544



14.6662, 14.4837, 16.4424



20.1707, 10.2025, 9.7937



1.5373, 0.7726, 0.9700

Inverse Universe

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



36.4338, 19.3947, 22.9425



44.9525, 22.7893, 21.3431



42.1714, 60.9157, 82.2081



14.6662, 14.4837, 16.4424



20.1707, 10.2025, 9.7937



1.5373, 0.7726, 0.9700

Previews

White Background



This preview shows how the XYZ color 36.4333, 19.3936, 22.9422 looks on a white background.

Color Contrast Check

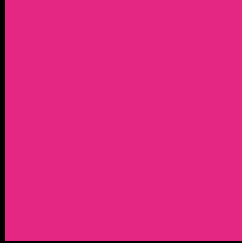
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4333, 19.3936, 22.9422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

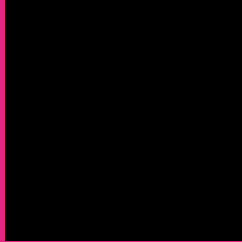
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4333, 19.3936, 22.9422

Background



This preview shows how black text looks on a background with the XYZ color 36.4333, 19.3936, 22.9422.



This preview shows how white text looks on a background with the XYZ color 36.4333, 19.3936,

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

36.4333, 19.3936, 22.9422

Protanopia

20.5676, 19.8130, 45.3881

Deuteranopia

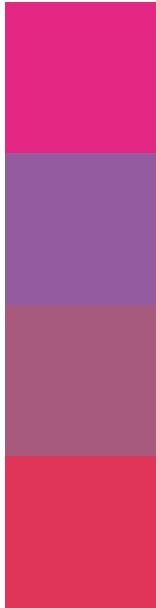
20.0397, 19.7250, 20.8403



Tritanopia

33.0256, 19.3956, 6.8536

Trichromacy



Original Color

36.4333, 19.3936, 22.9422

Protanomaly

22.3869, 16.3513, 35.6944

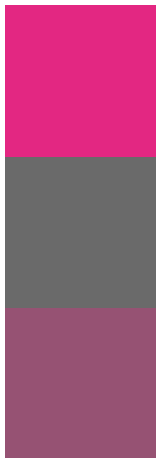
Deuteranomaly

23.4427, 17.0924, 21.1324

Tritanomaly

33.7750, 19.0981, 11.1387

Monochromacy



Original Color

36.4333, 19.3936, 22.9422

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.6895, 13.7564, 17.8899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4333, 19.3936, 22.9422 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, 39, 130)` looks like.

```
.text, #text, p{  
    color:rgb(227, 39, 130)  
}
```

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, 39, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 39, 130) }
```

Border

The CSS property to change the border of an element to XYZ 36.4333, 19.3936, 22.9422 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, 39, 130) }
```


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

```
.border{ border-color:rgb(227, 39, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 39, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 39, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 39, 130); box-shadow:4px 4px 4px 4px rgb(227, 39, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4333, 19.3936, 22.9422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 39, 130) }
```

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

```
.background{ background-color: rgb(227, 39,  
130) }
```

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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