

Converting Colors

XYZ(36.3952, 19.7856, 13.7052)

Have a look what the booklet for
XYZ(36.3952, 19.7856, 13.7052)
contains.

XYZ(36.3947, 19.7844, 13.7049)	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(36.3947, 19.7844,
13.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	E82B63
RGB	232, 43, 99
RGB Percent	91%, 17%, 39%
CMY	0.0902, 0.8313, 0.6118
CMYK	0.00, 0.81, 0.57, 0.09
HSL	342°, 80%, 54%
HSV	342°, 81%, 91%
XYZ	36.3947, 19.7844, 13.7049
YIQ	105.8950, 94.6680, 57.4840

Conversions

Conversions Part 2

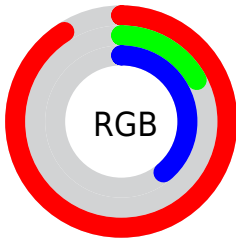
Format	Color
R_{YB}	232, 43, 99
Decimal	15215459
CIE _{Lab}	51.59, 71.73, 16.31
CIE _{LCh}	52, 73.564, 12.808
Yxy	19.7844, 0.5208, 0.2831
Android (android.graphics.Color)	4293405539 (0xFFE82B63)
YUV	105.8950, -3.3992, 110.5941
Hunter-Lab	44.4797, 68.2151, 12.8676

Details

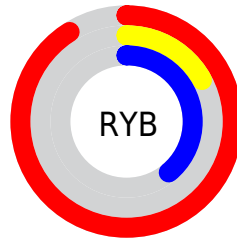
The XYZ color **36.3947, 19.7844, 13.7049** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **37.6915, 61.3621, 50.9403**, and the grayscale version is **13.6638, 14.3754, 15.6548**.

A 20% lighter version of the original color is **52.1335, 34.3672, 32.3196**, and **17.0048, 8.6921, 4.1496** is the 20% darker color. If you saturate the color by 10%, you get **35.0742, 18.2691, 9.7952**, and if you desaturate by 10%, it is **38.3529, 22.3229, 18.6060**.

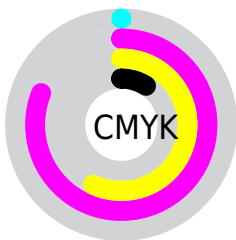
Distribution



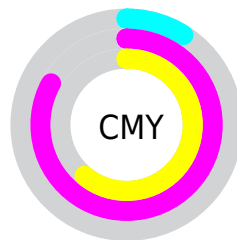
- Red (91%)
- Green (17%)
- Blue (39%)



- Red (91%)
- Yellow (17%)
- Blue (39%)



- Cyan (0%)
- Magenta (81%)
- Yellow (57%)
- Black (9%)





- Cyan (9%)
- Magenta (83%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3947, 19.7844, 13.7049 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 36.3947, 19.7844, 13.7049 by changing the saturation by 10% instead.


 36.3947, 19.7844,
13.7049


 36.3947, 19.7844,
13.7049


322.0837,
250.7456, 226.7514


 24.9107, 12.2384,
7.7793


 68.9607, 43.0554,
33.2740

 16.1389, 6.9063,
3.8683


 90.7735, 59.5492,
47.7547


 9.7140, 3.4035,
1.5534


 116.7599, 79.7945,
65.9241

 5.2705, 1.3459,
0.2572

 147.2852,
104.1755, 88.2008

 2.4432, 0.1763,
0.0000

 182.7149,
133.0767, 115.0033

 0.8667, 0.0000,
0.0000

223.4143,

 0.0000, 0.0000,

166.8826, 146.7503

0.0000

269.7488,
205.9774, 183.8601

■ 36.3947, 19.7844,
13.7049

■ 36.3947, 19.7844,
13.7049

■ 35.0742, 18.2691,
9.7952

■ 38.3529, 22.3229,
18.6060


■ 34.3442, 17.5820,
7.1693


■ 41.0270, 26.0266,
24.5675


■ 44.4849, 31.0182,
31.6521

■ 48.7858, 37.4040,
39.9171

■ 53.9829, 45.2791,
49.4155

 60.1249, 54.7301,
60.1968

 67.2570, 65.8369,
72.3079

 75.4214, 78.6742,
85.7931

 84.6577, 93.3120,
100.6945

Harmonies

Analogous

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



35.9585, 19.7844, 35.9892



36.3947, 19.7844, 13.7049



31.3098, 19.7844, 4.0114

Triad

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



36.3947, 19.7844, 13.7049



10.6908, 19.7844, 3.3340



14.9007, 19.7844, 88.7384

Complementary

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



36.3947, 19.7844, 13.7049



37.6915, 61.3621, 50.9403

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.



10.1707, 19.7844, 62.8547



36.3947, 19.7844, 13.7049



8.2152, 19.7844, 11.5939

Square

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



36.3947, 19.7844, 13.7049



15.8202, 19.7844, 1.2242



8.0539, 19.7844, 31.9098



22.1422, 19.7844, 90.8302

Rectangle

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



36.3947, 19.7844, 13.7049



26.0936, 19.7844, 1.8166



8.0539, 19.7844, 31.9098



13.0174, 19.7844, 82.0139

Sweetspot

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



36.3952, 19.7856, 13.7052



72.3621, 64.5045, 70.8775



33.1776, 16.7044, 77.8192



14.9001, 12.9007, 14.1399



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.



36.3952, 19.7856, 13.7052



42.7113, 21.9371, 9.4049



36.6435, 23.1875, 4.8314



14.5518, 14.4379, 15.8401



19.1148, 9.7802, 4.2337



1.4522, 0.7386, 0.5220

Inverse Universe

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



36.3952, 19.7856, 13.7052



42.7113, 21.9371, 9.4049



34.8994, 45.0141, 83.1928



14.5518, 14.4379, 15.8401



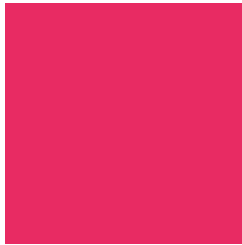
19.1148, 9.7802, 4.2337



1.4522, 0.7386, 0.5220

Previews

White Background



This preview shows how the XYZ color 36.3947, 19.7844, 13.7049 looks on a white background.

Color Contrast Check

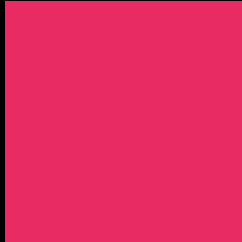
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3947, 19.7844, 13.7049 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 36.3947, 19.7844, 13.7049

Background



This preview shows how black text looks on a background with the XYZ color 36.3947, 19.7844, 13.7049.



This preview shows how white text looks on a background with the XYZ color 36.3947, 19.7844,

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

36.3947, 19.7844, 13.7049

Protanopia

19.6244, 20.1096, 26.5141

Deuteranopia

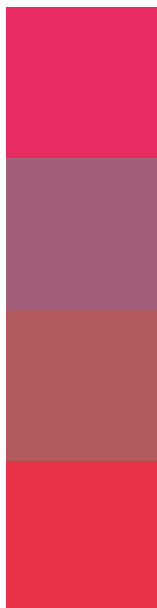
20.1780, 19.8060, 12.4323



Tritanopia

34.6661, 19.7469, 5.7258

Trichromacy



Original Color

36.3947, 19.7844, 13.7049

Protanomaly

22.4781, 17.1168, 20.8580

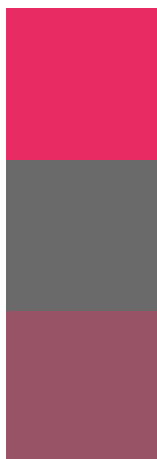
Deuteranomaly

23.8483, 17.6196, 12.4999

Tritanomaly

35.2653, 19.7380, 8.0820

Monochromacy



Original Color

36.3947, 19.7844, 13.7049

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.4903, 13.8412, 14.5290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3947, 19.7844, 13.7049 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(232, 43, 99)` looks like.

```
.text, #text, p{  
    color:rgb(232, 43, 99)  
}
```

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(232, 43, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 43, 99) }
```

Border

The CSS property to change the border of an element to XYZ 36.3947, 19.7844, 13.7049 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(232, 43, 99) }
```


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

```
.border{ border-color:rgb(232, 43, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 43, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 43, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 43, 99);  
box-shadow:4px 4px 4px 4px rgb(232, 43,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3947, 19.7844, 13.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 43, 99) }
```

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

```
.background{ background-color: rgb(232, 43,  
99) }
```

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