

Converting Colors

XYZ(36.9611, 20.3464, 11.6929)

Have a look what the booklet for
XYZ(36.9611, 20.3464, 11.6929)
contains.

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Color

**XYZ(36.7937, 20.2636,
11.6449)**

Conversions

Conversions Part 1

Format	Color
Hex	EA2F5A
RGB	234, 47, 90
RGB Percent	92%, 18%, 35%
CMY	0.0824, 0.8156, 0.6471
CMYK	0.00, 0.80, 0.62, 0.08
HSL	346°, 82%, 55%
HSV	346°, 80%, 92%
XYZ	36.7937, 20.2636, 11.6449
YIQ	107.8150, 97.6490, 53.0170

Conversions

Conversions Part 2

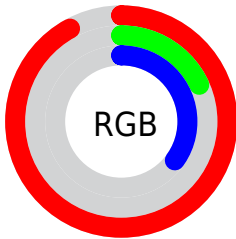
Format	Color
R_{YB}	234, 47, 90
Decimal	15347546
CIE _{Lab}	52.13, 70.72, 22.54
CIE _{LCh}	52, 74.227, 17.676
Yxy	20.2636, 0.5356, 0.2949
Android (android.graphics.Color)	4293537626 (0xFFEA2F5A)
YUV	107.8150, -8.7828, 110.6642
Hunter-Lab	45.0151, 67.1229, 16.1729

Details

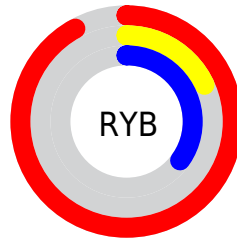
The XYZ color **36.7937, 20.2636, 11.6449** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **40.0013, 63.2124, 59.3914**, and the grayscale version is **14.2086, 14.9485, 16.2789**.

A 20% lighter version of the original color is **51.7678, 34.7418, 28.7883**, and **17.2682, 8.8474, 3.2802** is the 20% darker color. If you saturate the color by 10%, you get **35.4194, 18.5975, 7.8503**, and if you desaturate by 10%, it is **38.8557, 23.0080, 16.5863**.

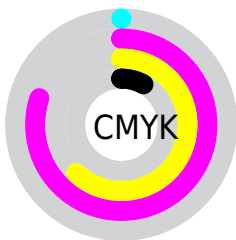
Distribution



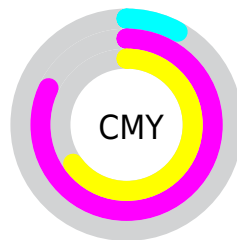
- Red (92%)
- Green (18%)
- Blue (35%)



- Red (92%)
- Yellow (18%)
- Blue (35%)



- Cyan (0%)
- Magenta (80%)
- Yellow (62%)
- Black (8%)




- Cyan (8%)
- Magenta (82%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7937, 20.2636, 11.6449 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 36.7937, 20.2636, 11.6449 by changing the saturation by 10% instead.


 36.7937, 20.2636,
11.6449


 36.7937, 20.2636,
11.6449


323.7876,
253.3386, 212.9338


 25.2207, 12.5868,
6.3828


 69.5713, 43.8587,
29.5013

 16.3712, 7.1446,
3.0067


 91.5066, 60.5458,
42.9328


 9.8797, 3.5527,
1.0980


 117.6268, 81.0051,
59.9243

 5.3809, 1.4267,
0.0000

 148.2971,
105.6210, 80.8947

 2.5095, 0.2362,
0.0000

 183.8830,
134.7779, 106.2622

 0.9000, 0.0000,
0.0000

224.7498,

 0.0000, 0.0000,

168.8602, 136.4456

0.0000

271.2629,
208.2523, 171.8633

■ 36.7937, 20.2636,
11.6449

■ 36.7937, 20.2636,
11.6449

■ 35.4194, 18.5975,
7.8503

■ 38.8557, 23.0080,
16.5863

■ 34.5988, 17.7630,
5.0901


■ 41.6865, 26.9724,
22.7619

■ 34.5926, 17.7568,
5.0688

■ 45.3568, 32.2807,
30.2508


■ 49.9288, 39.0404,
39.1251

■ 55.4585, 47.3482,
49.4515

 61.9975, 57.2923,
61.2922

 69.5933, 68.9544,
74.7055

 78.2907, 82.4105,
89.7471

 87.2918, 96.0524,
106.1894

Harmonies

Analogous

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



37.3399, 20.2636, 32.2480



36.7937, 20.2636, 11.6449



30.8610, 20.2636, 3.3376

Triad

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



36.7937, 20.2636, 11.6449



10.3547, 20.2636, 4.1848



16.3082, 20.2636, 93.3366

Complementary

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



36.7937, 20.2636, 11.6449



40.0013, 63.2124, 59.3914

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.



11.0055, 20.2636, 69.6818



36.7937, 20.2636, 11.6449



8.2257, 20.2636, 14.2869

Square

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



36.7937, 20.2636, 11.6449



15.1573, 20.2636, 1.3907



8.4276, 20.2636, 37.3554



24.0432, 20.2636, 90.7172

Rectangle

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



36.7937, 20.2636, 11.6449



25.3565, 20.2636, 1.5826



8.4276, 20.2636, 37.3554



14.2285, 20.2636, 87.7728

Sweetspot

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



36.7942, 20.2648, 11.6452



71.8564, 64.3022, 68.2144



37.1961, 18.9696, 79.5427



14.7810, 12.8531, 13.5125



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.



36.7942, 20.2648, 11.6452



42.3482, 21.8804, 7.2195



38.7084, 26.2245, 5.7126



15.2073, 15.1108, 16.3770



19.4789, 9.9943, 3.0575



1.5656, 0.7992, 0.4296

Inverse Universe

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



36.7942, 20.2648, 11.6452



42.3482, 21.8804, 7.2195



33.1932, 40.8832, 83.9834



15.2073, 15.1108, 16.3770



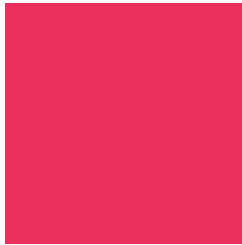
19.4789, 9.9943, 3.0575



1.5656, 0.7992, 0.4296

Previews

White Background



This preview shows how the XYZ color 36.7937, 20.2636, 11.6449 looks on a white background.

Color Contrast Check

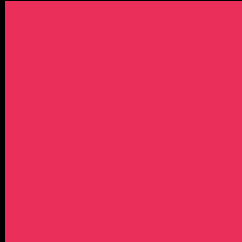
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7937, 20.2636, 11.6449 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 36.7937, 20.2636, 11.6449

Background



This preview shows how black text looks on a background with the XYZ color 36.7937, 20.2636, 11.6449.



This preview shows how white text looks on a background with the XYZ color 36.7937, 20.2636,

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

36.7937, 20.2636, 11.6449

Protanopia

19.5981, 20.3826, 21.9701

Deuteranopia

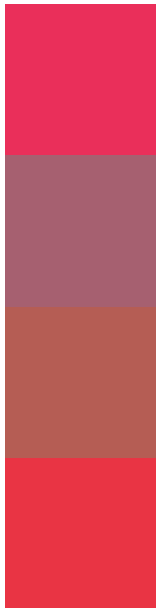
20.6597, 20.2718, 10.6085



Tritanopia

35.6843, 20.3415, 5.7869

Trichromacy



Original Color

36.7937, 20.2636, 11.6449

Protanomaly

22.8334, 17.6426, 17.5311

Deuteranomaly

24.5706, 18.2926, 10.6233

Tritanomaly

35.8757, 20.1970, 7.4764

Monochromacy



Original Color

36.7937, 20.2636, 11.6449

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.0032, 14.4652, 14.1024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7937, 20.2636, 11.6449 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(234, 47, 90)` looks like.

```
.text, #text, p{  
    color:rgb(234, 47, 90)  
}
```

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(234, 47, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 47, 90) }
```

Border

The CSS property to change the border of an element to XYZ 36.7937, 20.2636, 11.6449 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(234, 47, 90) }
```


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

```
.border{ border-color:rgb(234, 47, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 47, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 47, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 47, 90);  
box-shadow:4px 4px 4px 4px rgb(234, 47,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7937, 20.2636, 11.6449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 47, 90) }
```

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

```
.background{ background-color: rgb(234, 47,  
90) }
```

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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