

Converting Colors

XYZ(37.2129, 20.6034, 11.8851)

Have a look what the booklet for
XYZ(37.2129, 20.6034, 11.8851)
contains.

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Color

**XYZ(37.2476, 20.6141,
11.9133)**

Conversions

Conversions Part 1

Format	Color
Hex	EB315B
RGB	235, 49, 91
RGB Percent	92%, 19%, 36%
CMY	0.0784, 0.8078, 0.6431
CMYK	0.00, 0.79, 0.61, 0.08
HSL	346°, 82%, 56%
HSV	346°, 79%, 92%
XYZ	37.2476, 20.6141, 11.9133
YIQ	109.4020, 97.3740, 52.4940

Conversions

Conversions Part 2

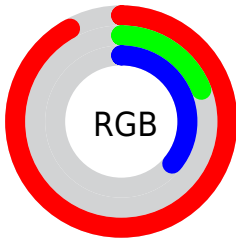
Format	Color
R_{YB}	235, 49, 91
Decimal	15413595
CIE _{Lab}	52.52, 70.53, 22.49
CIE _{LCh}	53, 74.029, 17.684
Yxy	20.6141, 0.5338, 0.2954
Android (android.graphics.Color)	4293603675 (0xFFEB315B)
YUV	109.4020, -9.0722, 110.1494
Hunter-Lab	45.4028, 66.9834, 16.2247

Details

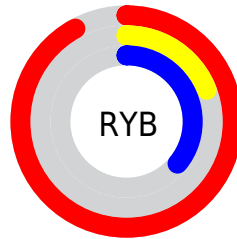
The XYZ color **37.2476, 20.6141, 11.9133** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **40.6028, 63.9206, 60.6584**, and the grayscale version is **14.6576, 15.4209, 16.7933**.

A 20% lighter version of the original color is **51.9528, 34.9933, 29.2155**, and **17.5064, 8.9679, 3.3931** is the 20% darker color. If you saturate the color by 10%, you get **35.8157, 18.8581, 8.0219**, and if you desaturate by 10%, it is **39.3825, 23.4721, 16.9781**.

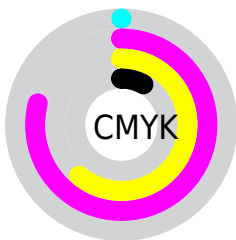
Distribution



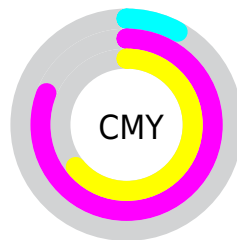
- Red (92%)
- Green (19%)
- Blue (36%)



- Red (92%)
- Yellow (19%)
- Blue (36%)



- Cyan (0%)
- Magenta (79%)
- Yellow (61%)
- Black (8%)




- Cyan (8%)
- Magenta (81%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2476, 20.6141, 11.9133 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 37.2476, 20.6141, 11.9133 by changing the saturation by 10% instead.


 37.2476, 20.6141,
11.9133


 37.2476, 20.6141,
11.9133


325.7182,
255.2205, 214.7880


 25.5738, 12.8422,
6.5628


 70.2648, 44.4444,
29.9991

 16.6361, 7.3200,
3.1160

 92.3389, 61.2716,
43.5716


 10.0691, 3.6630,
1.1542


 118.6105, 81.8860,
60.7218

 5.5074, 1.4869,
0.0000

 149.4449,
106.6721, 81.8683

 2.5857, 0.2795,
0.0000

 185.2076,
136.0142, 107.4296

 0.9387, 0.0000,
0.0000

226.2638,

 0.0000, 0.0000,

170.2967, 137.8243

0.0000

272.9788,
209.9040, 173.4709

■ 37.2476, 20.6141,
11.9133

■ 37.2476, 20.6141,
11.9133

■ 35.8157, 18.8581,
8.0219

■ 39.3825, 23.4721,
16.9781

■ 34.9630, 17.9780,
5.1930

■ 42.3013, 27.5731,
23.3049

■ 34.9046, 17.9196,
4.9934

■ 46.0752, 33.0411,
30.9744

■ 50.7665, 39.9839,
40.0600

■ 56.4318, 48.4985,
50.6294

63.1227, 58.6736,
62.7461

70.8875, 70.5911,
76.4697

79.7711, 84.3278,
91.8566

88.0313, 96.3863,
108.3656

Harmonies

Analogous

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



37.7984, 20.6141, 32.7011



37.2476, 20.6141, 11.9133



31.2786, 20.6141, 3.4693

Triad

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



37.2476, 20.6141, 11.9133



10.5936, 20.6141, 4.3380



16.6157, 20.6141, 94.0497

Complementary

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



37.2476, 20.6141, 11.9133



40.6028, 63.9206, 60.6584

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.



11.2545, 20.6141, 70.3317



37.2476, 20.6141, 11.9133



8.4367, 20.6141, 14.5950

Square

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



37.2476, 20.6141, 11.9133



15.4499, 20.6141, 1.4693



8.6420, 20.6141, 37.8563



24.4177, 20.6141, 91.4163

Rectangle

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



37.2476, 20.6141, 11.9133



25.7363, 20.6141, 1.6669



8.6420, 20.6141, 37.8563



14.5146, 20.6141, 88.4743

Sweetspot

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



37.2481, 20.6153, 11.9136



71.8252, 64.2898, 68.0505



37.7322, 19.3508, 80.3433



14.7737, 12.8501, 13.4740



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.



37.2481, 20.6153, 11.9136



42.4070, 21.9520, 7.3813



39.2406, 26.7341, 5.9994



15.2047, 15.1097, 16.3634



19.4658, 9.9890, 2.9882



1.5642, 0.7986, 0.4224

Inverse Universe

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



37.2481, 20.6153, 11.9136



42.4070, 21.9520, 7.3813



33.6962, 41.5186, 84.8348



15.2047, 15.1097, 16.3634



19.4658, 9.9890, 2.9882



1.5642, 0.7986, 0.4224

Previews

White Background



This preview shows how the XYZ color 37.2476, 20.6141, 11.9133 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 37.2476, 20.6141, 11.9133 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 37.2476, 20.6141, 11.9133

Background



This preview shows how black text looks on a background with the XYZ color 37.2476, 20.6141, 11.9133.



This preview shows how white text looks on a background with the XYZ color 37.2476, 20.6141,

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

37.2476, 20.6141, 11.9133

Protanopia

19.9374, 20.7371, 22.3539

Deuteranopia

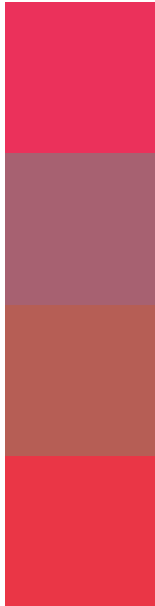
21.0020, 20.6214, 10.8561



Tritanopia

36.1585, 20.7242, 6.0974

Trichromacy



Original Color

37.2476, 20.6141, 11.9133

Protanomaly

23.1917, 17.9571, 17.8665

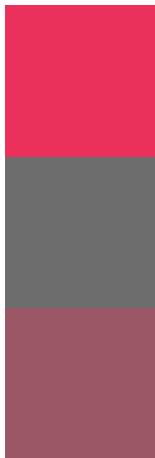
Deuteranomaly

24.9338, 18.6064, 10.8716

Tritanomaly

36.3563, 20.5730, 7.8491

Monochromacy



Original Color

37.2476, 20.6141, 11.9133

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.3240, 14.7443, 14.3978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2476, 20.6141, 11.9133 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(235, 49, 91)` looks like.

```
.text, #text, p{  
    color:rgb(235, 49, 91)  
}
```

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(235, 49, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 49, 91) }
```

Border

The CSS property to change the border of an element to XYZ 37.2476, 20.6141, 11.9133 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(235, 49, 91) }
```


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

```
.border{ border-color:rgb(235, 49, 91) }
```

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

Here you see how a box with a 4 pixel rgb(235, 49, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 49, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 49, 91);  
box-shadow:4px 4px 4px 4px rgb(235, 49,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2476, 20.6141, 11.9133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 49, 91) }
```

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

```
.background{ background-color: rgb(235, 49,  
91) }
```

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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