

Converting Colors

XYZ(37.4189, 20.9341, 12.1256)

Have a look what the booklet for
XYZ(37.4189, 20.9341, 12.1256)
contains.

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Color

**XYZ(37.4658, 20.9811,
12.2003)**

Conversions

Conversions Part 1

Format	Color
Hex	EB355C
RGB	235, 53, 92
RGB Percent	92%, 21%, 36%
CMY	0.0784, 0.7921, 0.6392
CMYK	0.00, 0.77, 0.61, 0.08
HSL	347°, 82%, 56%
HSV	347°, 77%, 92%
XYZ	37.4658, 20.9811, 12.2003
YIQ	111.8640, 95.9530, 50.7130

Conversions

Conversions Part 2

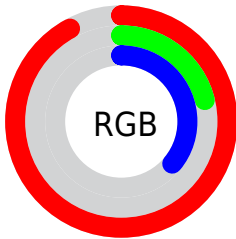
Format	Color
R_{YB}	235, 53, 92
Decimal	15414620
CIE Lab	52.93, 69.50, 22.42
CIE LCh	53, 73.029, 17.881
Yxy	20.9811, 0.5303, 0.2970
Android (android.graphics.Color)	4293604700 (0xFFEB355C)
YUV	111.8640, -9.7930, 107.9903
Hunter-Lab	45.8051, 65.8431, 16.2716

Details

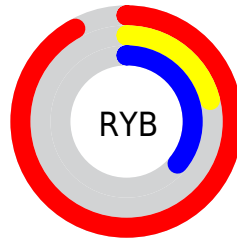
The XYZ color **37.4658, 20.9811, 12.2003** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **41.1425, 64.1597, 62.4485**, and the grayscale version is **15.3712, 16.1717, 17.6110**.

A 20% lighter version of the original color is **52.3679, 35.7038, 29.7226**, and **17.5263, 8.9759, 3.4981** is the 20% darker color. If you saturate the color by 10%, you get **35.9332, 19.0544, 8.1807**, and if you desaturate by 10%, it is **39.7207, 24.0382, 17.4316**.

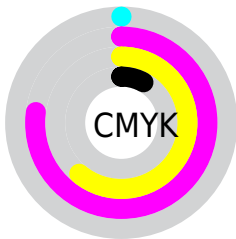
Distribution



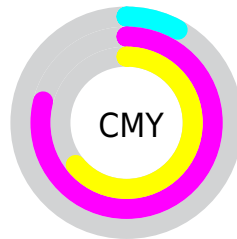
- Red (92%)
- Green (21%)
- Blue (36%)



- Red (92%)
- Yellow (21%)
- Blue (36%)



- Cyan (0%)
- Magenta (77%)
- Yellow (61%)
- Black (8%)





- Cyan (8%)
- Magenta (79%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4658, 20.9811, 12.2003 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 37.4658, 20.9811, 12.2003 by changing the saturation by 10% instead.

 37.4658, 20.9811,
12.2003


 37.4658, 20.9811,
12.2003


326.6434,
257.1780, 216.7516


 25.7437, 13.1102,
6.7560


 70.5978, 45.0561,
30.5292

 16.7637, 7.5045,
3.2339


 92.7384, 62.0289,
44.2510


 10.1604, 3.7795,
1.2153


 119.0825, 82.8046,
61.5690

 5.5685, 1.5510,
0.0000

 149.9955,
107.7673, 82.9018

 2.6227, 0.3242,
0.0000

 185.8427,
137.3017, 108.6679

 0.9575, 0.0000,
0.0000

226.9896,

 0.0000, 0.0000,

171.7920, 139.2859

0.0000

273.8013,
211.6226, 175.1743

■ 37.4658, 20.9811,
12.2003

■ 37.4658, 20.9811,
12.2003

■ 35.9332, 19.0544,
8.1807

■ 39.7207, 24.0382,
17.4316

■ 35.0173, 18.0691,
5.2652


■ 42.7772, 28.3624,
23.9650


■ 34.8439, 17.8953,
4.6742


■ 46.7054, 34.0751,
31.8831

■ 51.5671, 41.2822,
41.2610

■ 57.4184, 50.0794,
52.1684

 64.3108, 60.5541,
64.6702

 72.2923, 72.7878,
78.8278

 81.4078, 86.8562,
94.6990

 88.0707, 96.4021,
108.5734

Harmonies

Analogous

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



38.0513, 20.9811, 32.8762



37.4658, 20.9811, 12.2003



31.5194, 20.9811, 3.6817

Triad

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



37.4658, 20.9811, 12.2003



10.9021, 20.9811, 4.6413



17.0112, 20.9811, 93.7138

Complementary

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



37.4658, 20.9811, 12.2003



41.1425, 64.1597, 62.4485

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.



11.6160, 20.9811, 70.4855



37.4658, 20.9811, 12.2003



8.7429, 20.9811, 15.0948

Square

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



37.4658, 20.9811, 12.2003



15.7590, 20.9811, 1.6350



8.9656, 20.9811, 38.3689



24.8063, 20.9811, 90.9339

Rectangle

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



37.4658, 20.9811, 12.2003



26.0071, 20.9811, 1.8255



8.9656, 20.9811, 38.3689



14.9016, 20.9811, 88.2847

Sweetspot

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



37.4663, 20.9823, 12.2006



72.5570, 65.4971, 69.0840



38.9222, 20.2238, 80.4489



14.9105, 13.0796, 13.6557



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.



37.4663, 20.9823, 12.2006



42.5173, 22.1131, 7.6013



39.9123, 27.9365, 6.6586



15.1975, 15.1069, 16.3254



19.4304, 9.9749, 2.8021



1.5605, 0.7971, 0.4027

Inverse Universe

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



37.4663, 20.9823, 12.2006



42.5173, 22.1131, 7.6013



33.4881, 40.8030, 84.7075



15.1975, 15.1069, 16.3254



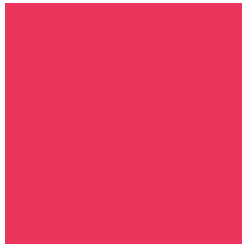
19.4304, 9.9749, 2.8021



1.5605, 0.7971, 0.4027

Previews

White Background



This preview shows how the XYZ color 37.4658, 20.9811, 12.2003 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 37.4658, 20.9811, 12.2003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

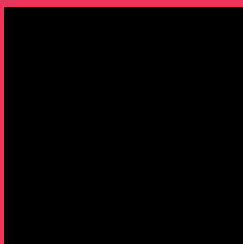
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4658, 20.9811, 12.2003

Background



This preview shows how black text looks on a background with the XYZ color 37.4658, 20.9811, 12.2003.



This preview shows how white text looks on a background with the XYZ color 37.4658, 20.9811,

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

37.4658, 20.9811, 12.2003

Protanopia

20.3684, 21.1482, 22.4105

Deuteranopia

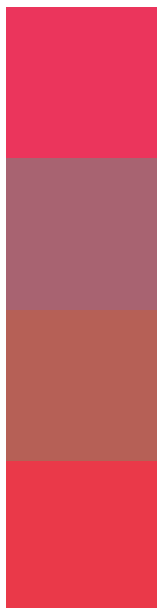
21.3476, 20.9747, 11.1070



Tritanopia

36.4170, 21.0719, 6.7053

Trichromacy



Original Color

37.4658, 20.9811, 12.2003

Protanomaly

23.5909, 18.4408, 17.9388

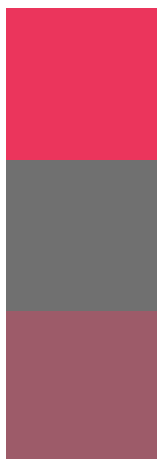
Deuteranomaly

25.1540, 18.9827, 11.1424

Tritanomaly

36.5974, 20.8997, 8.4085

Monochromacy



Original Color

37.4658, 20.9811, 12.2003

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

20.1955, 15.6702, 15.3248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4658, 20.9811, 12.2003 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, 53, 92)` looks like.

```
.text, #text, p{  
    color:rgb(235, 53, 92)  
}
```

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, 53, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 53, 92) }
```

Border

The CSS property to change the border of an element to XYZ 37.4658, 20.9811, 12.2003 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, 53, 92) }
```


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

```
.border{ border-color:rgb(235, 53, 92) }
```

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

Here you see how a box with a 4 pixel rgb(235, 53, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 53, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 53, 92);  
box-shadow:4px 4px 4px 4px rgb(235, 53,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4658, 20.9811, 12.2003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 53, 92) }
```

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

```
.background{ background-color: rgb(235, 53,  
92) }
```

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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