

Converting Colors

XYZ(39.9577, 19.9256, 32.2905)

Have a look what the booklet for
XYZ(39.9577, 19.9256, 32.2905)
contains.

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Color

**XYZ(40.0937, 19.9953,
32.3181)**

Conversions

Conversions Part 1

Format	Color
Hex	EB009A
RGB	235, 0, 154
RGB Percent	92%, 0%, 60%
CMY	0.0784, 0.9998, 0.3961
CMYK	0.00, 1.00, 0.34, 0.08
HSL	321°, 100%, 46%
HSV	321°, 100%, 92%
XYZ	40.0937, 19.9953, 32.3181
YIQ	87.8210, 90.6260, 97.7140

Conversions

Conversions Part 2

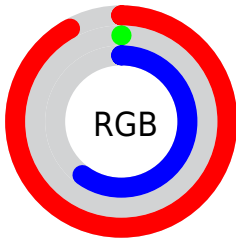
Format	Color
R_{YB}	235, 0, 154
Decimal	15401114
CIE _{Lab}	51.83, 82.61, -16.46
CIE _{LCh}	52, 84.232, 348.731
Yxy	19.9953, 0.4339, 0.2164
Android (android.graphics.Color)	4293591194 (0xFFEB009A)
YUV	87.8210, 32.6262, 129.0760
Hunter-Lab	44.7161, 81.7949, -11.5500

Details

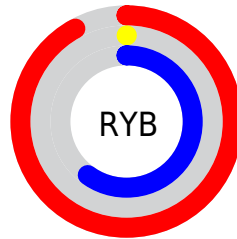
The XYZ color **40.0937, 19.9953, 32.3181** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **31.1962, 60.0119, 17.7342**, and the grayscale version is **9.1607, 9.6378, 10.4955**.

A 20% lighter version of the original color is **56.8999, 34.3635, 63.3084**, and **19.6818, 9.8635, 13.6985** is the 20% darker color. If you saturate the color by 10%, you get **40.0922, 19.9947, 32.3103**, and if you desaturate by 10%, it is **41.1091, 20.9094, 36.0992**.

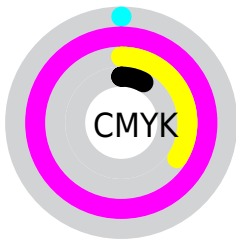
Distribution



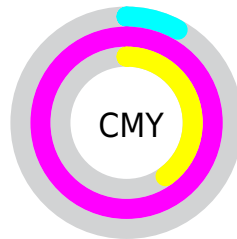
- Red (92%)
- Green (0%)
- Blue (60%)



- Red (92%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0937, 19.9953, 32.3181 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 40.0937, 19.9953, 32.3181 by changing the saturation by 10% instead.


 40.0937, 19.9953,
32.3181


 40.0937, 19.9953,
32.3181


337.6460,
251.8897, 327.1030

 27.7961, 12.3916,
21.3378


 74.5896, 43.4093,
64.4131


 18.3117, 7.0110,
13.1775


 97.5187, 59.9884,
86.3649


 11.2751, 3.4690,
7.4187


 124.7223, 80.3282,
112.8109

 6.3208, 1.3812,
3.6429

 156.5658,
104.8129, 144.1696

 3.0836, 0.2028,
1.4316

 193.4146,
133.8270, 180.8597

 1.1981, 0.0000,
0.1662

 235.6340,

 0.1049, 0.0000,

167.7549, 223.2996

0.0000

283.5893,
206.9810, 271.9078

■ 0.0000, 0.0000,
0.0000

■ 40.0937, 19.9953,
32.3181

■ 40.0937, 19.9953,
32.3181

■ 40.0922, 19.9947,
32.3103

■ 41.1091, 20.9094,
36.0992

■ 42.5546, 22.6094,
40.2526

■ 44.5525, 25.3386,
44.8232

■ 47.1747, 29.2395,
49.8392

■ 50.4818, 34.4319,
55.3246

■ 54.5268, 41.0208,
61.3011

■ 59.3575, 49.1001,
67.7882

■ 65.0173, 58.7559,
74.8042

■ 71.5464, 70.0673,
82.3660

Harmonies

Analogous

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



34.2170, 19.9953, 69.8734



40.0937, 19.9953, 32.3181



39.1904, 19.9953, 9.8896

Triad

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



40.0937, 19.9953, 32.3181



14.2031, 19.9953, 0.6708



10.0992, 19.9953, 79.7232

Complementary

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



40.0937, 19.9953, 32.3181



31.1962, 60.0119, 17.7342

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.



7.3075, 19.9953, 40.6413



40.0937, 19.9953, 32.3181



9.1395, 19.9953, 3.1494

Square

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



40.0937, 19.9953, 32.3181



22.3987, 19.9953, 0.4724



7.0188, 19.9953, 13.8123



15.9726, 19.9953, 108.1650

Rectangle

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



40.0937, 19.9953, 32.3181



34.9135, 19.9953, 3.6099



7.0188, 19.9953, 13.8123



8.8555, 19.9953, 66.4590

Sweetspot

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



40.0943, 19.9964, 32.3184



71.3507, 58.9364, 81.4705



18.1681, 7.6346, 79.1134



14.7209, 11.6876, 16.7148



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.



40.0943, 19.9964, 32.3184



48.2231, 24.0532, 38.7024



34.6313, 17.8112, 3.5504



15.4814, 15.2204, 17.8203



22.3755, 11.1529, 18.3104



1.8020, 0.8937, 1.6745

Inverse Universe

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



40.0943, 19.9964, 32.3184



48.2231, 24.0532, 38.7024



39.6549, 63.3954, 62.2769



15.4814, 15.2204, 17.8203



22.3755, 11.1529, 18.3104



1.8020, 0.8937, 1.6745

Previews

White Background



This preview shows how the XYZ color 40.0937, 19.9953, 32.3181 looks on a white background.

Color Contrast Check

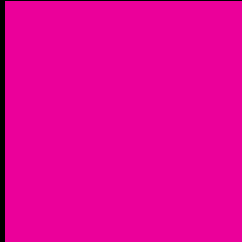
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0937, 19.9953, 32.3181 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 40.0937, 19.9953, 32.3181

Background



This preview shows how black text looks on a background with the XYZ color 40.0937, 19.9953, 32.3181.



This preview shows how white text looks on a background with the XYZ color 40.0937, 19.9953,

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

40.0937, 19.9953, 32.3181

Protanopia

23.1861, 20.7918, 70.5013

Deuteranopia

20.9707, 20.5694, 28.8516



Tritanopia

34.8790, 20.3544, 6.7931

Trichromacy



Original Color

40.0937, 19.9953, 32.3181



Protanomaly

22.8415, 14.6685, 53.8520



Deuteranomaly

24.1393, 15.8802, 29.3967



Tritanomaly

35.7918, 19.2845, 12.9022

Monochromacy



Original Color

40.0937, 19.9953, 32.3181



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3233, 9.6609, 16.3863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0937, 19.9953, 32.3181 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, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 154)  
}
```

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, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 154) }
```

Border

The CSS property to change the border of an element to XYZ 40.0937, 19.9953, 32.3181 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, 0, 154) }
```


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

```
.border{ border-color:rgb(235, 0, 154) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0937, 19.9953, 32.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 154) }
```

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

```
.background{ background-color: rgb(235, 0,  
154) }
```

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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