

Converting Colors

XYZ(40.5700, 20.9236, 34.1504)

Have a look what the booklet for
XYZ(40.5700, 20.9236, 34.1504)
contains.

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Color

**XYZ(40.5932, 20.9410,
34.2503)**

Conversions

Conversions Part 1

Format	Color
Hex	EA1F9E
RGB	234, 31, 158
RGB Percent	92%, 12%, 62%
CMY	0.0824, 0.8783, 0.3804
CMYK	0.00, 0.87, 0.32, 0.08
HSL	322°, 83%, 52%
HSV	322°, 87%, 92%
XYZ	40.5932, 20.9410, 34.2503
YIQ	106.1750, 80.2210, 82.5330

Conversions

Conversions Part 2

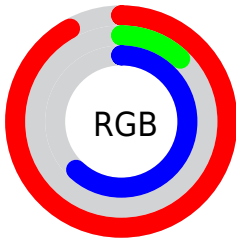
Format	Color
RYB	234, 31, 158
Decimal	15343518
CIELab	52.88, 79.62, -17.25
CIELCh	53, 81.468, 347.775
Yxy	20.9410, 0.4238, 0.2186
Android (android.graphics.Color)	4293533598 (0xFFEA1F9E)
YUV	106.1750, 25.5497, 112.1025
Hunter-Lab	45.7613, 78.2584, -12.3430

Details

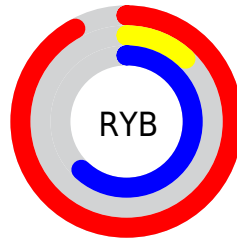
The XYZ color **40.5932, 20.9410, 34.2503** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **32.6435, 60.1993, 23.8148**, and the grayscale version is **13.6673, 14.3790, 15.6588**.

A 20% lighter version of the original color is **58.3018, 36.1672, 66.8589**, and **19.8874, 9.9458, 14.7815** is the 20% darker color. If you saturate the color by 10%, you get **39.4583, 19.8354, 30.2828**, and if you desaturate by 10%, it is **42.2236, 22.9514, 38.6485**.

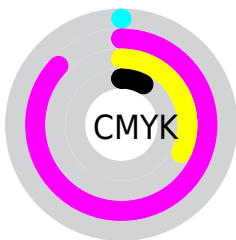
Distribution



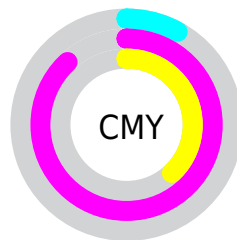
- Red (92%)
- Green (12%)
- Blue (62%)



- Red (92%)
- Yellow (12%)
- Blue (62%)



- Cyan (0%)
- Magenta (87%)
- Yellow (32%)
- Black (8%)




- Cyan (8%)
- Magenta (88%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5932, 20.9410, 34.2503 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 40.5932, 20.9410, 34.2503 by changing the saturation by 10% instead.


 40.5932, 20.9410,
34.2503


 40.5932, 20.9410,
34.2503


339.7092,
256.9648, 336.0499

 28.1876, 13.0809,
22.8070


 75.3446, 44.9893,
67.4611


 18.6083, 7.4843,
14.2471


 98.4211, 61.9463,
90.0656


 11.4899, 3.7668,
8.1520


 125.7853, 82.7044,
117.2277

 6.4671, 1.5440,
4.1032

 157.8026,
107.6479, 149.3659

 3.1745, 0.3194,
1.6821

 194.8382,
137.1614, 186.8986

 1.2467, 0.0000,
0.3485

237.2577,

 0.1428, 0.0000,

171.6290, 230.2445

0.0000

285.4262,
211.4354, 279.8221

■ 0.0000, 0.0000,
0.0000

■ 40.5932, 20.9410,
34.2503

■ 40.5932, 20.9410,
34.2503

■ 39.4583, 19.8354,
30.2828

■ 42.2236, 22.9514,
38.6485

■ 39.1500, 19.5798,
29.0674

■ 44.4328, 26.0316,
43.5102

■ 47.2885, 30.3155,
48.8632

■ 50.8483, 35.9163,
54.7317

■ 55.1629, 42.9341,
61.1376

60.2783, 51.4593,
68.1009

66.2366, 61.5745,
75.6403

73.0769, 73.3567,
83.7736

80.8359, 86.8774,
92.5172

Harmonies

Analogous

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



34.6678, 20.9410, 71.1047



40.5932, 20.9410, 34.2503



39.9366, 20.9410, 11.2675

Triad

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



40.5932, 20.9410, 34.2503



15.3096, 20.9410, 0.9510



10.7988, 20.9410, 78.1834

Complementary

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



40.5932, 20.9410, 34.2503



32.6435, 60.1993, 23.8148

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.



8.0237, 20.9410, 40.3336



40.5932, 20.9410, 34.2503



10.0698, 20.9410, 3.5707

Square

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



40.5932, 20.9410, 34.2503



23.5786, 20.9410, 0.8083



7.8018, 20.9410, 14.2386



16.6321, 20.9410, 106.2698

Rectangle

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



40.5932, 20.9410, 34.2503



35.8653, 20.9410, 4.4447



7.8018, 20.9410, 14.2386



9.5593, 20.9410, 65.3111

Sweetspot

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



40.5938, 20.9422, 34.2506



73.6808, 63.2493, 83.3174



21.2202, 9.9520, 78.6444



15.2786, 12.7114, 17.1829



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.



40.5938, 20.9422, 34.2506



47.5435, 23.7814, 35.1236



35.1881, 18.7799, 5.7846



15.4618, 15.2126, 17.7170



22.0631, 11.0279, 16.6657



1.7788, 0.8845, 1.5528

Inverse Universe

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



40.5938, 20.9422, 34.2506



47.5435, 23.7814, 35.1236



41.2432, 63.6392, 69.1005



15.4618, 15.2126, 17.7170



22.0631, 11.0279, 16.6657



1.7788, 0.8845, 1.5528

Previews

White Background



This preview shows how the XYZ color 40.5932, 20.9410, 34.2503 looks on a white background.

Color Contrast Check

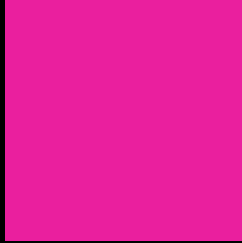
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5932, 20.9410, 34.2503 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 40.5932, 20.9410, 34.2503

Background



This preview shows how black text looks on a background with the XYZ color 40.5932, 20.9410, 34.2503.



This preview shows how white text looks on a background with the XYZ color 40.5932, 20.9410,

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

40.5932, 20.9410, 34.2503

Protanopia

23.7821, 21.4674, 70.6003

Deuteranopia

21.6062, 21.2205, 30.9742



Tritanopia

35.1076, 20.9505, 7.9878

Trichromacy



Original Color

40.5932, 20.9410, 34.2503



Protanomaly

24.3817, 16.8325, 54.7873



Deuteranomaly

25.2600, 17.7948, 31.8092



Tritanomaly

36.3506, 20.4206, 14.5961

Monochromacy



Original Color

40.5932, 20.9410, 34.2503



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

19.6345, 13.8449, 21.0395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5932, 20.9410, 34.2503 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, 31, 158)` looks like.

```
.text, #text, p{  
    color:rgb(234, 31, 158)  
}
```

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, 31, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 31, 158) }
```

Border

The CSS property to change the border of an element to XYZ 40.5932, 20.9410, 34.2503 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, 31, 158) }
```


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

```
.border{ border-color:rgb(234, 31, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 31, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 31, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 31, 158);  
box-shadow:4px 4px 4px 4px rgb(234, 31,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5932, 20.9410, 34.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 31, 158) }
```

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

```
.background{ background-color: rgb(234, 31,  
158) }
```

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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