

Converting Colors

XYZ(40.1032, 19.9610, 34.0869)

Have a look what the booklet for
XYZ(40.1032, 19.9610, 34.0869)
contains.

XYZ(40.1032, 19.9610, 34.0869)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.1032, 19.9610,
34.0869)**

Conversions

Conversions Part 1

Format	Color
Hex	EA009E
RGB	234, 0, 158
RGB Percent	92%, 0%, 62%
CMY	0.0824, 0.9998, 0.3804
CMYK	0.00, 1.00, 0.32, 0.08
HSL	319°, 100%, 46%
HSV	319°, 100%, 92%
XYZ	40.1032, 19.9610, 34.0869
YIQ	87.9780, 88.7460, 98.7460

Conversions

Conversions Part 2

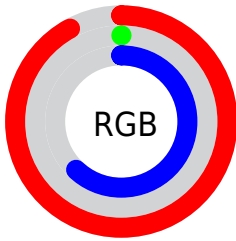
Format	Color
RYB	234, 0, 158
Decimal	15335582
CIELab	51.79, 82.80, -18.92
CIElCh	52, 84.938, 347.131
Yxy	19.9610, 0.4259, 0.2120
Android (android.graphics.Color)	4293525662 (0xFFEA009E)
YUV	87.9780, 34.5208, 128.0613
Hunter-Lab	44.6777, 82.0374, -13.9609

Details

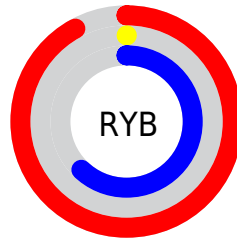
The XYZ color **40.1032, 19.9610, 34.0869** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **30.7296, 59.3685, 16.6859**, and the grayscale version is **9.1905, 9.6691, 10.5296**.

A 20% lighter version of the original color is **57.4331, 34.4298, 66.5694**, and **19.8351, 9.9248, 14.5059** is the 20% darker color. If you saturate the color by 10%, you get **40.1019, 19.9605, 34.0800**, and if you desaturate by 10%, it is **41.0935, 20.8618, 37.7460**.

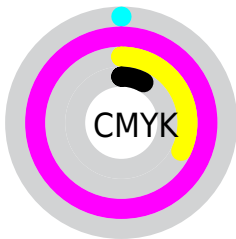
Distribution



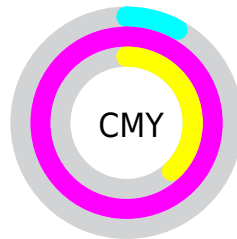
- Red (92%)
- Green (0%)
- Blue (62%)



- Red (92%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1032, 19.9610, 34.0869 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 40.1032, 19.9610, 34.0869 by changing the saturation by 10% instead.


 40.1032, 19.9610,
34.0869


 40.1032, 19.9610,
34.0869


337.6853,
251.7039, 335.3003

 27.8036, 12.3667,
22.6825


 74.6040, 43.3518,
67.2042

 18.3173, 6.9939,
14.1561


 97.5359, 59.9171,
89.7542


 11.2791, 3.4583,
8.0893


 124.7425, 80.2415,
116.8564

 6.3236, 1.3754,
4.0636

 156.5894,
104.7093, 148.9294

 3.0853, 0.1985,
1.6603

 193.4417,
133.7051, 186.3918

 1.1991, 0.0000,
0.3333

 235.6649,

 0.1056, 0.0000,

167.6132, 229.6621

0.0000

283.6243,
206.8180, 279.1587

■ 0.0000, 0.0000,
0.0000

■ 40.1032, 19.9610,
34.0869

■ 40.1032, 19.9610,
34.0869

■ 40.1019, 19.9605,
34.0800

■ 41.0935, 20.8618,
37.7460

■ 42.5047, 22.5384,
41.7485

■ 44.4579, 25.2321,
46.1383

■ 47.0242, 29.0838,
50.9423

■ 50.2633, 34.2121,
56.1837

■ 54.2277, 40.7208,
61.8833

■ 58.9644, 48.7028,
68.0597

■ 64.5163, 58.2431,
74.7302

■ 70.9231, 69.4201,
81.9112

Harmonies

Analogous

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



33.8645, 19.9610, 72.5310



40.1032, 19.9610, 34.0869



39.5809, 19.9610, 10.5517

Triad

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



40.1032, 19.9610, 34.0869



14.5044, 19.9610, 0.5683



9.7960, 19.9610, 78.2395

Complementary

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



40.1032, 19.9610, 34.0869



30.7296, 59.3685, 16.6859

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.



7.1472, 19.9610, 38.8916



40.1032, 19.9610, 34.0869



9.2466, 19.9610, 2.8094

Square

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



40.1032, 19.9610, 34.0869



22.9007, 19.9610, 0.4540



6.9823, 19.9610, 12.7972



15.5210, 19.9610, 108.3765

Rectangle

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



40.1032, 19.9610, 34.0869



35.4551, 19.9610, 3.8444



6.9823, 19.9610, 12.7972



8.6029, 19.9610, 64.7165

Sweetspot

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



40.1038, 19.9621, 34.0872



71.5639, 59.0217, 82.5930



17.6861, 7.4027, 78.3387



14.7718, 11.7080, 16.9831



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.



40.1038, 19.9621, 34.0872



48.7020, 24.2448, 41.2245



34.3672, 17.6675, 3.8785



15.4946, 15.2257, 17.8899



22.5952, 11.2408, 19.4677



1.8181, 0.9002, 1.7594

Inverse Universe

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



40.1038, 19.9621, 34.0872



48.7020, 24.2448, 41.2245



38.8394, 62.6124, 59.3914



15.4946, 15.2257, 17.8899



22.5952, 11.2408, 19.4677



1.8181, 0.9002, 1.7594

Previews

White Background



This preview shows how the XYZ color 40.1032, 19.9610, 34.0869 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 40.1032, 19.9610, 34.0869 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 40.1032, 19.9610, 34.0869

Background



This preview shows how black text looks on a background with the XYZ color 40.1032, 19.9610, 34.0869.



This preview shows how white text looks on a background with the XYZ color 40.1032, 19.9610,

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

40.1032, 19.9610, 34.0869

Protanopia

23.5887, 20.9059, 74.7435

Deuteranopia

20.8302, 20.4613, 30.4553



Tritanopia

34.6717, 20.3209, 7.0959

Trichromacy



Original Color

40.1032, 19.9610, 34.0869



Protanomaly

22.9399, 14.6524, 56.8775



Deuteranomaly

23.8274, 15.6825, 31.0493



Tritanomaly

35.6108, 19.1749, 13.6286

Monochromacy



Original Color

40.1032, 19.9610, 34.0869



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3793, 9.6833, 16.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1032, 19.9610, 34.0869 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, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 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, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 40.1032, 19.9610, 34.0869 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, 0, 158) }
```


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

```
.border{ border-color:rgb(234, 0, 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, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(234, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1032, 19.9610, 34.0869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 158) }
```

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

```
.background{ background-color: rgb(234, 0,  
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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