

Converting Colors

XYZ(40.3688, 20.1878, 30.0395)

Have a look what the booklet for
XYZ(40.3688, 20.1878, 30.0395)
contains.

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Color

**XYZ(40.3499, 20.1745,
30.2012)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0095
RGB	237, 0, 149
RGB Percent	93%, 0%, 58%
CMY	0.0706, 0.9998, 0.4157
CMYK	0.00, 1.00, 0.37, 0.07
HSL	322°, 100%, 46%
HSV	322°, 100%, 93%
XYZ	40.3499, 20.1745, 30.2012
YIQ	87.8490, 93.4230, 96.5830

Conversions

Conversions Part 2

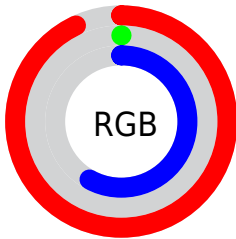
Format	Color
R_{YB}	237, 0, 149
Decimal	15532181
CIE _{Lab}	52.03, 82.53, -13.13
CIE _{LCh}	52, 83.572, 350.959
Yxy	20.1745, 0.4447, 0.2224
Android (android.graphics.Color)	4293722261 (0xFFED0095)
YUV	87.8490, 30.1474, 130.8054
Hunter-Lab	44.9160, 81.7508, -8.4249

Details

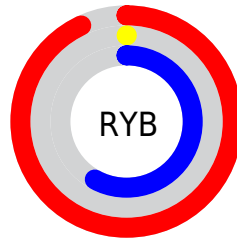
The XYZ color **40.3499, 20.1745, 30.2012** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **32.0486, 61.2742, 19.3823**, and the grayscale version is **9.1718, 9.6494, 10.5082**.

A 20% lighter version of the original color is **56.2942, 34.1212, 60.1189**, and **19.8838, 9.9958, 12.4367** is the 20% darker color. If you saturate the color by 10%, you get **40.3483, 20.1738, 30.1928**, and if you desaturate by 10%, it is **41.4012, 21.1095, 34.1511**.

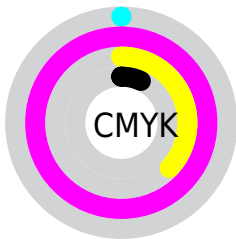
Distribution



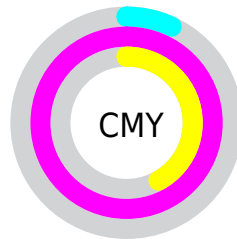
- Red (93%)
- Green (0%)
- Blue (58%)



- Red (93%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3499, 20.1745, 30.2012 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 40.3499, 20.1745, 30.2012 by changing the saturation by 10% instead.


 40.3499, 20.1745,
30.2012


 40.3499, 20.1745,
30.2012


338.7053,
252.8582, 317.0776


 27.9969, 12.5220,
19.7380


 74.9770, 43.7096,
61.0450


 18.4638, 7.1002,
12.0226


 97.9818, 60.3608,
82.2627


 11.3851, 3.5248,
6.6363


 125.2679, 80.7805,
107.9022

 6.3957, 1.4115,
3.1607

 157.2006,
105.3529, 138.3823

 3.1301, 0.2252,
1.1773

 194.1454,
134.4625, 174.1213

 1.2229, 0.0000,
0.0000

 236.4675,

 0.1244, 0.0000,

168.4937, 215.5378

0.0000

284.5324,
207.8308, 263.0504

■ 0.0000, 0.0000,
0.0000

■ 40.3499, 20.1745,
30.2012

■ 40.3499, 20.1745,
30.2012

■ 40.3483, 20.1738,
30.1928

■ 41.4012, 21.1095,
34.1511

■ 42.8984, 22.8495,
38.5172

■ 44.9660, 25.6418,
43.3464

■ 47.6778, 29.6322,
48.6687

■ 51.0958, 34.9431,
54.5098

■ 55.2744, 41.6818,
60.8928

■ 60.2626, 49.9443,
67.8389

■ 66.1049, 59.8184,
75.3676

■ 72.8425, 71.3852,
83.4973

Harmonies

Analogous

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



34.9350, 20.1745, 66.7968



40.3499, 20.1745, 30.2012



38.9203, 20.1745, 9.0885

Triad

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



40.3499, 20.1745, 30.2012



13.8885, 20.1745, 0.8160



10.5918, 20.1745, 82.3359

Complementary

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



40.3499, 20.1745, 30.2012



32.0486, 61.2742, 19.3823

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.



7.5787, 20.1745, 43.4051



40.3499, 20.1745, 30.2012



9.0525, 20.1745, 3.6794

Square

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



40.3499, 20.1745, 30.2012



21.8685, 20.1745, 0.5020



7.1141, 20.1745, 15.3840



16.7128, 20.1745, 108.6120

Rectangle

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



40.3499, 20.1745, 30.2012



34.4113, 20.1745, 3.3255



7.1141, 20.1745, 15.3840



9.2681, 20.1745, 69.3564

Sweetspot

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



40.3505, 20.1757, 30.2015



71.0685, 58.8235, 79.9840



19.2110, 8.1387, 80.6792



14.6535, 11.6606, 16.3599



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.



40.3505, 20.1757, 30.2015



47.6110, 23.8084, 35.4793



35.1816, 18.1081, 2.9824



15.4638, 15.2134, 17.7276



22.0942, 11.0404, 16.8293



1.7812, 0.8854, 1.5650

Inverse Universe

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



40.3505, 20.1757, 30.2015



47.6110, 23.8084, 35.4793



41.3536, 64.9962, 68.3817



15.4638, 15.2134, 17.7276



22.0942, 11.0404, 16.8293



1.7812, 0.8854, 1.5650

Previews

White Background



This preview shows how the XYZ color 40.3499, 20.1745, 30.2012 looks on a white background.

Color Contrast Check

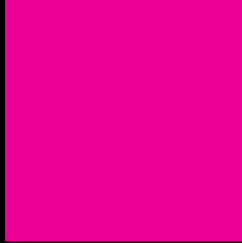
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3499, 20.1745, 30.2012 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 40.3499, 20.1745, 30.2012

Background



This preview shows how black text looks on a background with the XYZ color 40.3499, 20.1745, 30.2012.



This preview shows how white text looks on a background with the XYZ color 40.3499, 20.1745,

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

40.3499, 20.1745, 30.2012

Protanopia

23.0237, 20.9963, 65.7900

Deuteranopia

21.1355, 20.6887, 27.3055



Tritanopia

35.6850, 20.6207, 6.5143

Trichromacy



Original Color

40.3499, 20.1745, 30.2012



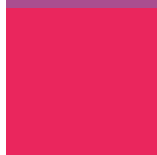
Protanomaly

23.1740, 14.9173, 50.3731



Deuteranomaly

24.2599, 15.9780, 27.7920



Tritanomaly

36.6006, 19.6690, 12.2233

Monochromacy



Original Color

40.3499, 20.1745, 30.2012



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3840, 9.7049, 15.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3499, 20.1745, 30.2012 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(237, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 149)  
}
```

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(237, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 149) }
```

Border

The CSS property to change the border of an element to XYZ 40.3499, 20.1745, 30.2012 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(237, 0, 149) }
```


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

```
.border{ border-color:rgb(237, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3499, 20.1745, 30.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 149) }
```

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

```
.background{ background-color: rgb(237, 0,  
149) }
```

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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