

Converting Colors

XYZ(40.2988, 20.1598, 29.6705)

Have a look what the booklet for
XYZ(40.2988, 20.1598, 29.6705)
contains.

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Color

**XYZ(40.2703, 20.1426,
29.7824)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0094
RGB	237, 0, 148
RGB Percent	93%, 0%, 58%
CMY	0.0706, 0.9998, 0.4196
CMYK	0.00, 1.00, 0.38, 0.07
HSL	323°, 100%, 46%
HSV	323°, 100%, 93%
XYZ	40.2703, 20.1426, 29.7824
YIQ	87.7350, 93.7440, 96.2720

Conversions

Conversions Part 2

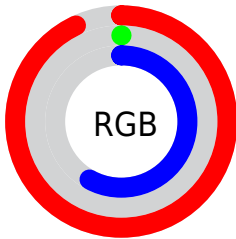
Format	Color
R_{YB}	237, 0, 148
Decimal	15532180
CIE _{Lab}	52.00, 82.44, -12.59
CIE _{LCh}	52, 83.397, 351.318
Yxy	20.1426, 0.4465, 0.2233
Android (android.graphics.Color)	4293722260 (0xFFED0094)
YUV	87.7350, 29.7106, 130.9054
Hunter-Lab	44.8805, 81.6233, -7.9281

Details

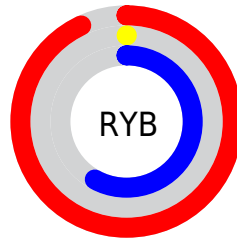
The XYZ color **40.2703, 20.1426, 29.7824** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **32.0901, 61.2908, 19.6014**, and the grayscale version is **9.1476, 9.6239, 10.4805**.

A 20% lighter version of the original color is **56.1754, 34.0737, 59.4932**, and **19.8369, 9.9770, 12.1895** is the 20% darker color. If you saturate the color by 10%, you get **40.2688, 20.1420, 29.7745**, and if you desaturate by 10%, it is **41.3240, 21.0786, 33.7451**.

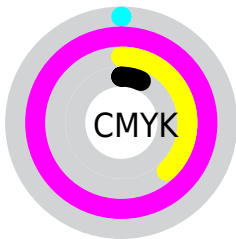
Distribution



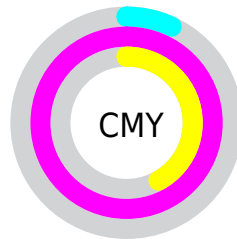
- Red (93%)
- Green (0%)
- Blue (58%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2703, 20.1426, 29.7824 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 40.2703, 20.1426, 29.7824 by changing the saturation by 10% instead.


 40.2703, 20.1426,
29.7824


 40.2703, 20.1426,
29.7824

338.3764,
252.6860, 315.0645

 27.9345, 12.4987,
19.4228


 74.8567, 43.6561,
60.3748


 18.4165, 7.0843,
11.7963


 97.8379, 60.2946,
81.4448


 11.3509, 3.5149,
6.4843


 125.0984, 80.7001,
106.9219

 6.3724, 1.4061,
3.0682

 157.0035,
105.2569, 137.2248

 3.1156, 0.2212,
1.1296

 193.9185,
134.3495, 172.7719

 1.2152, 0.0000,
0.0000

 236.2087,

 0.1183, 0.0000,

168.3623, 213.9819

0.0000

284.2396,
207.6797, 261.2733

■ 0.0000, 0.0000,
0.0000

■ 40.2703, 20.1426,
29.7824

■ 40.2703, 20.1426,
29.7824

■ 40.2688, 20.1420,
29.7745

■ 41.3240, 21.0786,
33.7451

■ 42.8246, 22.8198,
38.1298

■ 44.8969, 25.6139,
42.9838

■ 47.6145, 29.6065,
48.3372

■ 51.0396, 34.9201,
54.2160

■ 55.2266, 41.6619,
60.6434

■ 60.2244, 49.9281,
67.6407

■ 66.0776, 59.8064,
75.2278

■ 72.8277, 71.3780,
83.4231

Harmonies

Analogous

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



34.9458, 20.1426, 66.1162



40.2703, 20.1426, 29.7824



38.7612, 20.1426, 8.9375

Triad

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



40.2703, 20.1426, 29.7824



13.7971, 20.1426, 0.8362



10.6397, 20.1426, 82.5120

Complementary

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



40.2703, 20.1426, 29.7824



32.0901, 61.2908, 19.6014

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.



7.5996, 20.1426, 43.7268



40.2703, 20.1426, 29.7824



9.0114, 20.1426, 3.7577

Square

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



40.2703, 20.1426, 29.7824



21.7192, 20.1426, 0.5041



7.1078, 20.1426, 15.5985



16.7825, 20.1426, 108.3603

Rectangle

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



40.2703, 20.1426, 29.7824



34.2289, 20.1426, 3.2714



7.1078, 20.1426, 15.5985



9.3070, 20.1426, 69.6189

Sweetspot

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



40.2709, 20.1438, 29.7827



71.0241, 58.8057, 79.7503



19.2108, 8.1385, 80.6790



14.6429, 11.6564, 16.3042



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.



40.2709, 20.1438, 29.7827



47.5171, 23.7709, 34.9849



35.1815, 18.1080, 2.9822



15.4610, 15.2123, 17.7129



22.0510, 11.0231, 16.6019



1.7779, 0.8841, 1.5480

Inverse Universe

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



40.2709, 20.1438, 29.7827



47.5171, 23.7709, 34.9849



41.3534, 64.9961, 68.3813



15.4610, 15.2123, 17.7129



22.0510, 11.0231, 16.6019



1.7779, 0.8841, 1.5480

Previews

White Background



This preview shows how the XYZ color 40.2703, 20.1426, 29.7824 looks on a white background.

Color Contrast Check

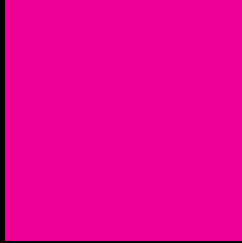
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2703, 20.1426, 29.7824 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 40.2703, 20.1426, 29.7824

Background



This preview shows how black text looks on a background with the XYZ color 40.2703, 20.1426, 29.7824.



This preview shows how white text looks on a background with the XYZ color 40.2703, 20.1426,

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

40.2703, 20.1426, 29.7824

Protanopia

22.9911, 20.9941, 65.1279

Deuteranopia

21.0627, 20.6596, 26.9223



Tritanopia

35.6583, 20.6100, 6.3737

Trichromacy



Original Color

40.2703, 20.1426, 29.7824



Protanomaly

23.0650, 14.8737, 49.7994



Deuteranomaly

24.1844, 15.9478, 27.3948



Tritanomaly

36.5566, 19.6514, 11.9916

Monochromacy



Original Color

40.2703, 20.1426, 29.7824



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 40.2703, 20.1426, 29.7824 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 148) }
```

Border

The CSS property to change the border of an element to XYZ 40.2703, 20.1426, 29.7824 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, 148) }
```


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

```
.border{ border-color:rgb(237, 0, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2703, 20.1426, 29.7824 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, 148) }
```

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

```
.background{ background-color: rgb(237, 0,  
148) }
```

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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