

Converting Colors

XYZ(40.2771, 20.2997, 22.8452)

Have a look what the booklet for
XYZ(40.2771, 20.2997, 22.8452)
contains.

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Color

**XYZ(40.3049, 20.3125,
22.9155)**

Conversions

Conversions Part 1

Format	Color
Hex	F10082
RGB	241, 0, 130
RGB Percent	95%, 0%, 51%
CMY	0.0549, 0.9998, 0.4902
CMYK	0.00, 1.00, 0.46, 0.05
HSL	328°, 100%, 47%
HSV	328°, 100%, 95%
XYZ	40.3049, 20.3125, 22.9155
YIQ	86.8790, 101.9060, 91.5220

Conversions

Conversions Part 2

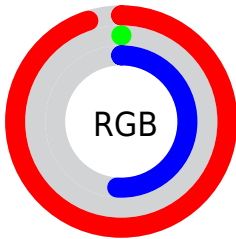
Format	Color
R_{YB}	241, 0, 130
Decimal	15794306
CIE _{Lab}	52.19, 81.73, -1.40
CIE _{LCh}	52, 81.739, 359.020
Yxy	20.3125, 0.4825, 0.2432
Android (android.graphics.Color)	4293984386 (0xFFFF10082)
YUV	86.8790, 21.2587, 135.1641
Hunter-Lab	45.0694, 80.7585, 1.4026

Details

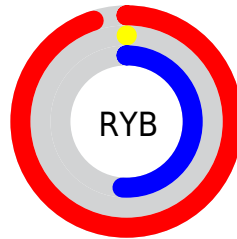
The XYZ color **40.3049, 20.3125, 22.9155** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **34.3284, 64.0598, 25.6110**, and the grayscale version is **8.9805, 9.4481, 10.2890**.

A 20% lighter version of the original color is **54.0619, 33.2283, 48.3641**, and **19.8453, 10.0591, 8.6802** is the 20% darker color. If you saturate the color by 10%, you get **40.3030, 20.3117, 22.9061**, and if you desaturate by 10%, it is **41.4208, 21.2867, 27.1651**.

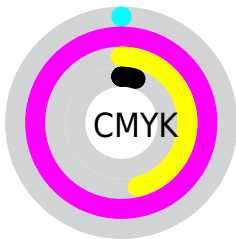
Distribution



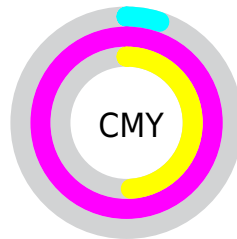
- Red (95%)
- Green (0%)
- Blue (51%)



- Red (95%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3049, 20.3125, 22.9155 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 40.3049, 20.3125, 22.9155 by changing the saturation by 10% instead.


 40.3049, 20.3125,
22.9155


 40.3049, 20.3125,
22.9155

338.5194,
253.6019, 280.3985


 27.9616, 12.6224,
14.3264


 74.9090, 43.9405,
49.1760


 18.4370, 7.1691,
8.2067


 97.9005, 60.6472,
67.6844


 11.3658, 3.5680,
4.1378


 125.1721, 81.1282,
90.3365

 6.3825, 1.4350,
1.7013

 157.0892,
105.7679, 117.5505

 3.1219, 0.2423,
0.3616

 194.0171,
134.9508, 149.7453

 1.2186, 0.0000,
0.0000

 236.3212,

 0.1209, 0.0000,

169.0611, 187.3391

0.0000

284.3669,
208.4833, 230.7507

■ 0.0000, 0.0000,
0.0000

■ 40.3049, 20.3125,
22.9155

■ 40.3049, 20.3125,
22.9155

■ 40.3030, 20.3117,
22.9061

■ 41.4208, 21.2867,
27.1651

■ 43.0274, 23.1095,
31.9869

■ 45.2546, 26.0373,
37.4358

■ 48.1804, 30.2223,
43.5488

■ 51.8706, 35.7928,
50.3584

■ 56.3828, 42.8608,
57.8942

■ 61.7691, 51.5269,
66.1833

■ 68.0768, 61.8829,
75.2511

■ 75.3498, 74.0136,
85.1216

Harmonies

Analogous

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



36.6705, 20.3125, 55.3741



40.3049, 20.3125, 22.9155



37.0947, 20.3125, 6.4375

Triad

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



40.3049, 20.3125, 22.9155



12.4993, 20.3125, 1.3325



12.1455, 20.3125, 89.9256

Complementary

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



40.3049, 20.3125, 22.9155



34.3284, 64.0598, 25.6110

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.



8.3689, 20.3125, 52.8917



40.3049, 20.3125, 22.9155



8.5277, 20.3125, 5.8556

Square

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



40.3049, 20.3125, 22.9155



19.5833, 20.3125, 0.5770



7.2644, 20.3125, 21.3370



19.0322, 20.3125, 107.7339

Rectangle

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



40.3049, 20.3125, 22.9155



31.9134, 20.3125, 2.3722



7.2644, 20.3125, 21.3370



10.5525, 20.3125, 78.4198

Sweetspot

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



40.3055, 20.3137, 22.9158



70.1462, 58.4546, 75.1274



22.1209, 9.5706, 83.9003



14.4343, 11.5729, 15.2055



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.



40.3055, 20.3137, 22.9158



45.7931, 23.0812, 25.9060



36.3432, 18.7288, 2.0507



16.1293, 15.9014, 18.2370



21.9244, 11.0422, 12.7845



1.8741, 0.9387, 1.3279

Inverse Universe

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



40.3055, 20.3137, 22.9158



45.7931, 23.0812, 25.9060



45.5922, 68.5653, 84.9256



16.1293, 15.9014, 18.2370



21.9244, 11.0422, 12.7845



1.8741, 0.9387, 1.3279

Previews

White Background



This preview shows how the XYZ color 40.3049, 20.3125, 22.9155 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 40.3049, 20.3125, 22.9155 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 40.3049, 20.3125, 22.9155

Background



This preview shows how black text looks on a background with the XYZ color 40.3049, 20.3125, 22.9155.



This preview shows how white text looks on a background with the XYZ color 40.3049, 20.3125,

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

40.3049, 20.3125, 22.9155

Protanopia

22.0030, 21.0064, 49.9087

Deuteranopia

21.1649, 20.8506, 20.6784



Tritanopia

36.7729, 20.7084, 5.3078

Trichromacy



Original Color

40.3049, 20.3125, 22.9155



Protanomaly

23.0053, 15.2152, 37.8007



Deuteranomaly

24.4939, 16.2511, 20.9146



Tritanomaly

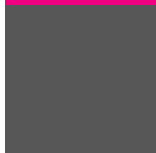
37.2517, 19.8440, 9.4563

Monochromacy



Original Color

40.3049, 20.3125, 22.9155



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.1421, 9.5513, 13.8775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3049, 20.3125, 22.9155 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(241, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(241, 0, 130)  
}
```

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(241, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 0, 130) }
```

Border

The CSS property to change the border of an element to XYZ 40.3049, 20.3125, 22.9155 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(241, 0, 130) }
```


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

```
.border{ border-color:rgb(241, 0, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(241, 0,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3049, 20.3125, 22.9155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 0, 130) }
```

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

```
.background{ background-color: rgb(241, 0,  
130) }
```

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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