

Converting Colors

XYZ(40.3977, 19.9103, 43.2513)

Have a look what the booklet for
XYZ(40.3977, 19.9103, 43.2513)
contains.

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Color

**XYZ(40.5689, 19.9973,
43.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	E600B1
RGB	230, 0, 177
RGB Percent	90%, 0%, 69%
CMY	0.0980, 0.9998, 0.3059
CMYK	0.00, 1.00, 0.23, 0.10
HSL	314°, 100%, 45%
HSV	314°, 100%, 90%
XYZ	40.5689, 19.9973, 43.3166
YIQ	88.9480, 80.2630, 103.8070

Conversions

Conversions Part 2

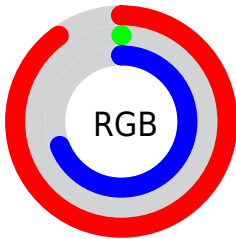
Format	Color
RYB	230, 0, 177
Decimal	15073457
CIELab	51.83, 84.07, -30.14
CIElCh	52, 89.313, 340.278
Yxy	19.9973, 0.3905, 0.1925
Android (android.graphics.Color)	4293263537 (0xFFE600B1)
YUV	88.9480, 43.4096, 123.7026
Hunter-Lab	44.7183, 83.6798, -26.1287

Details

The XYZ color **40.5689, 19.9973, 43.3166** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **28.9411, 56.8516, 12.8217**, and the grayscale version is **9.3844, 9.8731, 10.7519**.

A 20% lighter version of the original color is **60.2227, 35.6926, 80.8061**, and **20.0003, 9.8903, 19.9237** is the 20% darker color. If you saturate the color by 10%, you get **40.5680, 19.9970, 43.3113**, and if you desaturate by 10%, it is **41.4152, 20.8275, 46.2567**.

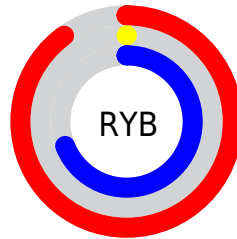
Distribution



Red (90%)

Green (0%)

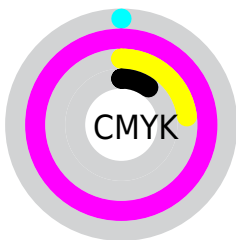
Blue (69%)



Red (90%)

Yellow (0%)

Blue (69%)

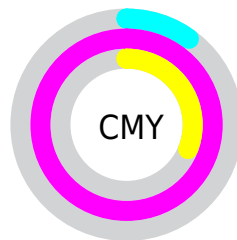


Cyan (0%)

Magenta (100%)

Yellow (23%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5689, 19.9973, 43.3166 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 40.5689, 19.9973, 43.3166 by changing the saturation by 10% instead.


 40.5689, 19.9973,
43.3166

 40.5689, 19.9973,
43.3166

339.6090,
251.9005, 375.8716


 28.1686, 12.3931,
29.8004


 75.3079, 43.4127,
81.4799

 18.5939, 7.0120,
19.4363


 98.3772, 59.9926,
106.9640


 11.4795, 3.4696,
11.8060


 125.7337, 80.3332,
137.2745

 6.4600, 1.3815,
6.4908

 157.7425,
104.8189, 172.8299

 3.1700, 0.2031,
3.0722

 194.7691,
133.8341, 214.0488

 1.2443, 0.0000,
1.1316

 237.1788,

 0.1409, 0.0000,

167.7632, 261.3497

0.0000

285.3370,
206.9905, 315.1511

■ 0.0000, 0.0000,
0.0000

■ 40.5689, 19.9973,
43.3166

■ 40.5689, 19.9973,
43.3166

■ 40.5680, 19.9970,
43.3113

■ 41.4152, 20.8275,
46.2567

■ 42.6463, 22.3943,
49.4274

■ 44.3790, 24.9308,
52.8687

■ 46.6810, 28.5718,
56.6044

■ 49.6090, 33.4308,
60.6544

■ 53.2129, 39.6069,
65.0364

■ 57.5374, 47.1892,
69.7663

■ 62.6232, 56.2589,
74.8587

■ 68.5081, 66.8911,
80.3272

Harmonies

Analogous

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



32.6373, 19.9973, 86.3059



40.5689, 19.9973, 43.3166



41.8117, 19.9973, 14.0308

Triad

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



40.5689, 19.9973, 43.3166



16.0653, 19.9973, 0.1042



8.5750, 19.9973, 72.5639

Complementary

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



40.5689, 19.9973, 43.3166



28.9411, 56.8516, 12.8217

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.



6.5038, 19.9973, 31.9421



40.5689, 19.9973, 43.3166



9.8238, 19.9973, 1.5835

Square

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



40.5689, 19.9973, 43.3166



25.5110, 19.9973, 0.3702



6.8737, 19.9973, 8.9060



13.7144, 19.9973, 110.5727

Rectangle

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



40.5689, 19.9973, 43.3166



38.3649, 19.9973, 5.0639



6.8737, 19.9973, 8.9060



7.5843, 19.9973, 57.8510

Sweetspot

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



40.5696, 19.9984, 43.3169



72.6000, 59.4361, 88.0491



15.5924, 6.3889, 75.2746



15.0205, 11.8074, 18.2927



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.



40.5696, 19.9984, 43.3169



51.2297, 25.2559, 54.5353



33.5936, 17.2080, 6.5822



14.8455, 14.5554, 17.3870



23.0162, 11.3407, 24.7782



1.7355, 0.8519, 2.0138

Inverse Universe

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



40.5696, 19.9984, 43.3169



51.2297, 25.2559, 54.5353



35.0750, 59.3051, 45.1224



14.8455, 14.5554, 17.3870



23.0162, 11.3407, 24.7782



1.7355, 0.8519, 2.0138

Previews

White Background



This preview shows how the XYZ color 40.5689, 19.9973, 43.3166 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 40.5689, 19.9973, 43.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

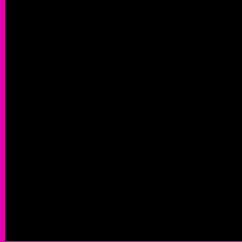
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5689, 19.9973, 43.3166

Background



This preview shows how black text looks on a background with the XYZ color 40.5689, 19.9973, 43.3166.



This preview shows how white text looks on a background with the XYZ color 40.5689, 19.9973,

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

40.5689, 19.9973, 43.3166

Protanopia

24.9775, 21.0148, 94.0066

Deuteranopia

21.0361, 20.5639, 38.9369



Tritanopia

33.5170, 20.3910, 8.4726

Trichromacy



Original Color

40.5689, 19.9973, 43.3166



Protanomaly

22.1718, 13.8154, 72.0191



Deuteranomaly

23.8847, 15.5192, 39.7668



Tritanomaly

34.8590, 19.0320, 16.8752

Monochromacy



Original Color

40.5689, 19.9973, 43.3166



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7295, 9.8822, 19.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5689, 19.9973, 43.3166 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(230, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 177)  
}
```

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(230, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.5689, 19.9973, 43.3166 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(230, 0, 177) }
```


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

```
.border{ border-color:rgb(230, 0, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5689, 19.9973, 43.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 177) }
```

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

```
.background{ background-color: rgb(230, 0,  
177) }
```

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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