

Converting Colors

XYZ(40.6652, 19.8352, 52.8901)

Have a look what the booklet for
XYZ(40.6652, 19.8352, 52.8901)
contains.

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Color

**XYZ(40.7889, 19.9026,
52.7307)**

Conversions

Conversions Part 1

Format	Color
Hex	E100C2
RGB	225, 0, 194
RGB Percent	88%, 0%, 76%
CMY	0.1176, 0.9998, 0.2392
CMYK	0.00, 1.00, 0.14, 0.12
HSL	308°, 100%, 44%
HSV	308°, 100%, 88%
XYZ	40.7889, 19.9026, 52.7307
YIQ	89.3910, 71.8260, 108.0340

Conversions

Conversions Part 2

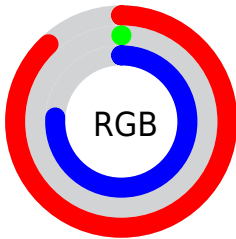
Format	Color
R_{YB}	225, 0, 194
Decimal	14745794
CIE _{Lab}	51.73, 85.22, -40.29
CIE _{LCh}	52, 94.260, 334.696
Yxy	19.9026, 0.3596, 0.1755
Android (android.graphics.Color)	4292935874 (0xFFE100C2)
YUV	89.3910, 51.5722, 118.9291
Hunter-Lab	44.6123, 85.1304, -38.8507

Details

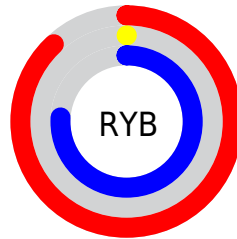
The XYZ color **40.7889, 19.9026, 52.7307** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **27.1738, 53.9502, 10.2804**, and the grayscale version is **9.4655, 9.9584, 10.8447**.

A 20% lighter version of the original color is **62.8355, 36.5908, 95.0177**, and **20.2507, 9.8928, 25.6531** is the 20% darker color. If you saturate the color by 10%, you get **40.7885, 19.9025, 52.7275**, and if you desaturate by 10%, it is **41.4385, 20.6382, 54.6835**.

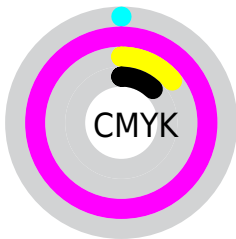
Distribution



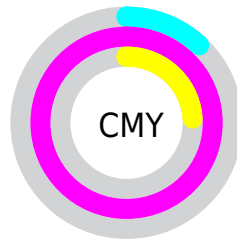
- Red (88%)
- Green (0%)
- Blue (76%)



- Red (88%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7889, 19.9026, 52.7307 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 40.7889, 19.9026, 52.7307 by changing the saturation by 10% instead.

 40.7889, 19.9026,
52.7307

 40.7889, 19.9026,
52.7307

340.5152,
251.3873, 414.2880


 28.3411, 12.3243,
37.2016


 75.6401, 43.2538,
95.6455


 18.7247, 6.9649,
25.0666


 98.7742, 59.7955,
123.8683


 11.5744, 3.4402,
15.9072


 126.2011, 80.0938,
157.1593

 6.5247, 1.3656,
9.3049

 158.2861,
104.5330, 195.9372

 3.2103, 0.1912,
4.8410

 195.3947,
133.4975, 240.6205

 1.2659, 0.0000,
2.0972

 237.8922,

 0.1575, 0.0000,

167.3719, 291.6277

0.6141

286.1439,
206.5403, 349.3774

■ 0.0000, 0.0000,
0.0000

■ 40.7889, 19.9026,
52.7307

■ 40.7889, 19.9026,
52.7307

■ 40.7885, 19.9025,
52.7275

■ 41.4385, 20.6382,
54.6835

■ 42.4404, 22.0672,
56.7897

■ 43.9066, 24.4129,
59.0869

■ 45.9008, 27.8028,
61.5966

■ 48.4767, 32.3443,
64.3369

■ 51.6814, 38.1313,
67.3237

■ 55.5569, 45.2480,
70.5712

■ 60.1418, 53.7713,
74.0925

■ 65.4716, 63.7724,
77.8996

Harmonies

Analogous

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



31.3817, 19.9026, 99.7894



40.7889, 19.9026, 52.7307



43.6868, 19.9026, 17.6521

Triad

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



40.7889, 19.9026, 52.7307



17.4561, 19.9026, 0.0000



7.4967, 19.9026, 67.3701

Complementary

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



40.7889, 19.9026, 52.7307



27.1738, 53.9502, 10.2804

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.



5.9008, 19.9026, 26.2567



40.7889, 19.9026, 52.7307



10.2860, 19.9026, 0.8170

Square

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



40.7889, 19.9026, 52.7307



27.8797, 19.9026, 0.2775



6.7161, 19.9026, 6.0889



12.1158, 19.9026, 112.1587

Rectangle

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



40.7889, 19.9026, 52.7307



40.9264, 19.9026, 6.3083



6.7161, 19.9026, 6.0889



6.6750, 19.9026, 51.8218

Sweetspot

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



40.7896, 19.9036, 52.7311



73.6588, 59.8596, 93.6248



14.1276, 5.7137, 71.5929



15.2762, 11.9097, 19.6391



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.



40.7896, 19.9036, 52.7311



54.1397, 26.4199, 69.8590



32.5951, 16.6258, 9.5792



14.2095, 13.9014, 16.8735



23.5364, 11.4816, 30.5542



1.6541, 0.8049, 2.2375

Inverse Universe

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



40.7896, 19.9036, 52.7311



54.1397, 26.4199, 69.8590



31.8472, 55.8196, 34.8903



14.2095, 13.9014, 16.8735



23.5364, 11.4816, 30.5542



1.6541, 0.8049, 2.2375

Previews

White Background



This preview shows how the XYZ color 40.7889, 19.9026, 52.7307 looks on a white background.

Color Contrast Check

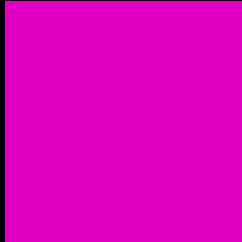
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7889, 19.9026, 52.7307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

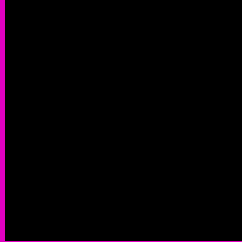
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.7889, 19.9026, 52.7307

Background



This preview shows how black text looks on a background with the XYZ color 40.7889, 19.9026, 52.7307.



This preview shows how white text looks on a background with the XYZ color 40.7889, 19.9026,

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

40.7889, 19.9026, 52.7307

Protanopia

25.0844, 20.9963, 97.3383

Deuteranopia

21.0180, 20.5594, 47.1166



Tritanopia

32.0940, 20.2100, 9.9940

Trichromacy



Original Color

40.7889, 19.9026, 52.7307



Protanomaly

21.6762, 13.4151, 78.5377



Deuteranomaly

23.5130, 15.2481, 48.1583



Tritanomaly

33.7832, 18.5791, 20.2179

Monochromacy



Original Color

40.7889, 19.9026, 52.7307



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7751, 9.8618, 21.1508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7889, 19.9026, 52.7307 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(225, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 194)  
}
```

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(225, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 194) }
```

Border

The CSS property to change the border of an element to XYZ 40.7889, 19.9026, 52.7307 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(225, 0, 194) }
```


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

```
.border{ border-color:rgb(225, 0, 194) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7889, 19.9026, 52.7307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 194) }
```

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

```
.background{ background-color: rgb(225, 0,  
194) }
```

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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