

Converting Colors

XYZ(40.1198, 19.5225, 54.2853)

Have a look what the booklet for
XYZ(40.1198, 19.5225, 54.2853)
contains.

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Color

**XYZ(40.2022, 19.5608,
54.4800)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00C5
RGB	222, 0, 197
RGB Percent	87%, 0%, 77%
CMY	0.1294, 0.9999, 0.2274
CMYK	0.00, 1.00, 0.11, 0.13
HSL	307°, 100%, 44%
HSV	307°, 100%, 87%
XYZ	40.2022, 19.5608, 54.4800
YIQ	88.8360, 69.0750, 108.3310

Conversions

Conversions Part 2

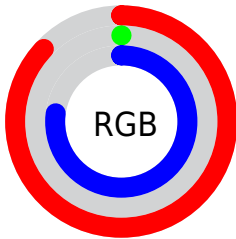
Format	Color
R_{YB}	222, 0, 197
Decimal	14549189
CIE _{Lab}	51.34, 85.08, -42.68
CIE _{LCh}	51, 95.184, 333.360
Yxy	19.5608, 0.3519, 0.1712
Android (android.graphics.Color)	4292739269 (0xFFDE00C5)
YUV	88.8360, 53.3249, 116.7848
Hunter-Lab	44.2276, 84.8555, -42.0747

Details

The XYZ color **40.2022, 19.5608, 54.4800** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.2978, 52.3136, 9.6334**, and the grayscale version is **9.3397, 9.8261, 10.7006**.

A 20% lighter version of the original color is **63.3123, 36.7815, 97.5285**, and **19.8582, 9.6646, 26.8054** is the 20% darker color. If you saturate the color by 10%, you get **40.2020, 19.5608, 54.4776**, and if you desaturate by 10%, it is **40.7830, 20.2595, 56.0991**.

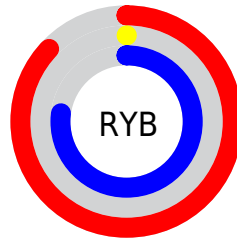
Distribution



Red (87%)

Green (0%)

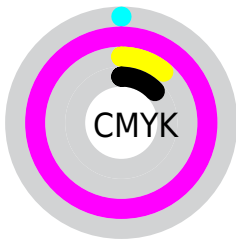
Blue (77%)



Red (87%)

Yellow (0%)

Blue (77%)

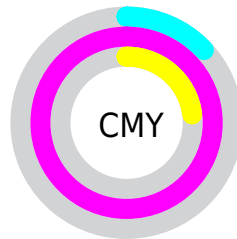


Cyan (0%)

Magenta (100%)

Yellow (11%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2022, 19.5608, 54.4800 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 40.2022, 19.5608, 54.4800 by changing the saturation by 10% instead.


 40.2022, 19.5608,
54.4800


 40.2022, 19.5608,
54.4800


338.0949,
249.5274, 421.1640


 27.8811, 12.0762,
38.5898


 74.7537, 42.6796,
98.2422

 18.3761, 6.7956,
26.1354


 97.7149, 59.0826,
126.9511

 11.3216, 3.3346,
16.6983


 124.9534, 79.2271,
160.7701

 6.3525, 1.3088,
9.8599

 156.8348,
103.4977, 200.1177

 3.1033, 0.1480,
5.2018

 193.7242,
132.2786, 245.4123

 1.2086, 0.0000,
2.3053

 235.9872,

 0.1131, 0.0000,

165.9542, 297.0725

0.7342

283.9889,
204.9091, 355.5169

■ 0.0000, 0.0000,
0.0000

■ 40.2022, 19.5608,
54.4800

■ 40.2022, 19.5608,
54.4800

■ 40.2020, 19.5608,
54.4776

■ 40.7830, 20.2595,
56.0991

■ 41.7024, 21.6282,
57.8546

■ 43.0695, 23.8849,
59.7830

■ 44.9461, 27.1527,
61.9050

■ 47.3841, 31.5354,
64.2379

■ 50.4287, 37.1238,
66.7972

■ 54.1210, 43.9995,
69.5964

■ 58.4980, 52.2369,
72.6480

■ 63.5941, 61.9047,
75.9637

Harmonies

Analogous

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



30.5731, 19.5608, 101.8523



40.2022, 19.5608, 54.4800



43.4821, 19.5608, 18.3735

Triad

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



40.2022, 19.5608, 54.4800



17.5405, 19.5608, 0.0000



7.1170, 19.5608, 65.0429

Complementary

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



40.2022, 19.5608, 54.4800



26.2978, 52.3136, 9.6334

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.



5.6576, 19.5608, 24.5183



40.2022, 19.5608, 54.4800



10.2385, 19.5608, 0.6300

Square

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



40.2022, 19.5608, 54.4800



28.0587, 19.5608, 0.2400



6.5667, 19.5608, 5.3863



11.5373, 19.5608, 110.8173

Rectangle

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



40.2022, 19.5608, 54.4800



40.9468, 19.5608, 6.5481



6.5667, 19.5608, 5.3863



6.3480, 19.5608, 49.5528

Sweetspot

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



40.2029, 19.5618, 54.4804



73.9536, 59.9775, 95.1768



13.5214, 5.4480, 69.4467



15.3476, 11.9383, 20.0152



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.



40.2029, 19.5618, 54.4804



55.0057, 26.7663, 74.4192



31.9206, 16.2488, 10.8662



14.2250, 13.9076, 16.9552



23.9051, 11.6291, 32.4959



1.6762, 0.8137, 2.3535

Inverse Universe

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



40.2029, 19.5618, 54.4804



55.0057, 26.7663, 74.4192



30.3705, 53.9426, 31.0798



14.2250, 13.9076, 16.9552



23.9051, 11.6291, 32.4959



1.6762, 0.8137, 2.3535

Previews

White Background



This preview shows how the XYZ color 40.2022, 19.5608, 54.4800 looks on a white background.

Color Contrast Check

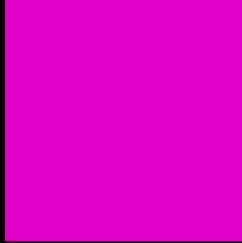
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2022, 19.5608, 54.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

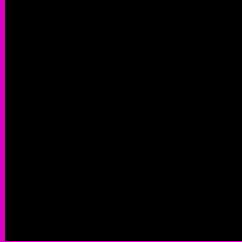
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.2022, 19.5608, 54.4800

Background



This preview shows how black text looks on a background with the XYZ color 40.2022, 19.5608, 54.4800.



This preview shows how white text looks on a background with the XYZ color 40.2022, 19.5608,

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

40.2022, 19.5608, 54.4800

Protanopia

24.6059, 20.5887, 96.4431

Deuteranopia

20.6638, 20.1555, 48.7002



Tritanopia

31.0408, 19.7658, 10.1618

Trichromacy



Original Color

40.2022, 19.5608, 54.4800



Protanomaly

20.6858, 12.8014, 78.4715



Deuteranomaly

23.0650, 14.8737, 49.7994



Tritanomaly

32.7607, 18.0989, 20.8355

Monochromacy



Original Color

40.2022, 19.5608, 54.4800



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.6759, 9.8031, 21.4881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2022, 19.5608, 54.4800 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(222, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 197)  
}
```

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(222, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 40.2022, 19.5608, 54.4800 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(222, 0, 197) }
```


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

```
.border{ border-color:rgb(222, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2022, 19.5608, 54.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 197) }
```

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

```
.background{ background-color: rgb(222, 0,  
197) }
```

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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