

Converting Colors

XYZ(40.4183, 19.7328, 51.7538)

Have a look what the booklet for
XYZ(40.4183, 19.7328, 51.7538)
contains.

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Color

**XYZ(40.2549, 19.6531,
51.5409)**

Conversions

Conversions Part 1

Format	Color
Hex	E000C0
RGB	224, 0, 192
RGB Percent	88%, 0%, 75%
CMY	0.1216, 0.9998, 0.2471
CMYK	0.00, 1.00, 0.14, 0.12
HSL	309°, 100%, 44%
HSV	309°, 100%, 88%
XYZ	40.2549, 19.6531, 51.5409
YIQ	88.8640, 71.8720, 107.2000

Conversions

Conversions Part 2

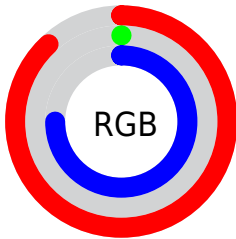
Format	Color
RYB	224, 0, 192
Decimal	14680256
CIELab	51.44, 84.79, -39.59
CIElCh	51, 93.574, 334.971
Yxy	19.6531, 0.3612, 0.1763
Android (android.graphics.Color)	4292870336 (0xFFE000C0)
YUV	88.8640, 50.8460, 118.5143
Hunter-Lab	44.3318, 84.5038, -37.8993

Details

The XYZ color **40.2549, 19.6531, 51.5409** 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 **26.9177, 53.4165, 10.2612**, and the grayscale version is **9.3511, 9.8381, 10.7137**.

A 20% lighter version of the original color is **62.5218, 36.4653, 93.3658**, and **19.8973, 9.7275, 24.8736** is the 20% darker color. If you saturate the color by 10%, you get **40.2545, 19.6529, 51.5376**, and if you desaturate by 10%, it is **40.9092, 20.3875, 53.5280**.

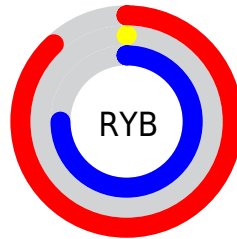
Distribution



Red (88%)

Green (0%)

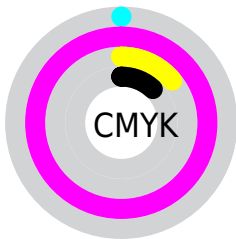
Blue (75%)



Red (88%)

Yellow (0%)

Blue (75%)

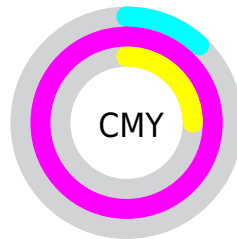


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2549, 19.6531, 51.5409 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 40.2549, 19.6531, 51.5409 by changing the saturation by 10% instead.

 40.2549, 19.6531,
51.5409


 40.2549, 19.6531,
51.5409

338.3128,
250.0309, 409.5681


 27.9224, 12.1431,
36.2595


 74.8334, 42.8348,
93.8735


 18.4074, 6.8412,
24.3434


 97.8101, 59.2753,
121.7618

 11.3443, 3.3630,
15.3740


 125.0657, 79.4615,
154.6895

 6.3679, 1.3241,
8.9328

 156.9653,
103.7777, 193.0752

 3.1128, 0.1597,
4.6011

 193.8745,
132.6084, 237.3373

 1.2137, 0.0000,
1.9606

 236.1586,

 0.1172, 0.0000,

166.3379, 287.8945

0.5309

284.1829,
205.3506, 345.1652

■ 0.0000, 0.0000,
0.0000

■ 40.2549, 19.6531,
51.5409

■ 40.2549, 19.6531,
51.5409

■ 40.2545, 19.6529,
51.5376

■ 40.9092, 20.3875,
53.5280

■ 41.9125, 21.8079,
55.6696

■ 43.3759, 24.1360,
58.0030

■ 45.3624, 27.4977,
60.5496

■ 47.9251, 31.9992,
63.3273

■ 51.1105, 37.7334,
66.3517

■ 54.9603, 44.7837,
69.6371

■ 59.5127, 53.2261,
73.1963

■ 64.8027, 63.1309,
77.0412

Harmonies

Analogous

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



31.0436, 19.6531, 97.7835



40.2549, 19.6531, 51.5409



43.0292, 19.6531, 17.2271

Triad

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



40.2549, 19.6531, 51.5409



17.1597, 19.6531, 0.0000



7.4543, 19.6531, 66.7664

Complementary

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



40.2549, 19.6531, 51.5409



26.9177, 53.4165, 10.2612

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.



5.8559, 19.6531, 26.1950



40.2549, 19.6531, 51.5409



10.1309, 19.6531, 0.8401

Square

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



40.2549, 19.6531, 51.5409



27.3978, 19.6531, 0.2732



6.6387, 19.6531, 6.1393



12.0402, 19.6531, 110.6363

Rectangle

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



40.2549, 19.6531, 51.5409



40.2677, 19.6531, 6.1597



6.6387, 19.6531, 6.1393



6.6349, 19.6531, 51.4565

Sweetspot

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



40.2556, 19.6541, 51.5413



73.5997, 59.8360, 93.3135



13.9877, 5.6573, 70.8763



15.2619, 11.9040, 19.5637



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.



40.2556, 19.6541, 51.5413



53.9689, 26.3516, 68.9594



32.2702, 16.4599, 9.4908



14.2064, 13.9002, 16.8570



23.4636, 11.4525, 30.1709



1.6498, 0.8032, 2.2145

Inverse Universe

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



40.2556, 19.6541, 51.5413



53.9689, 26.3516, 68.9594



31.5300, 55.2614, 34.5496



14.2064, 13.9002, 16.8570



23.4636, 11.4525, 30.1709



1.6498, 0.8032, 2.2145

Previews

White Background



This preview shows how the XYZ color 40.2549, 19.6531, 51.5409 looks on a white background.

Color Contrast Check

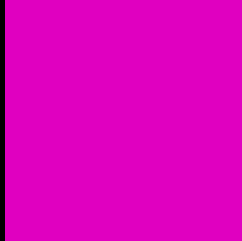
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2549, 19.6531, 51.5409 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 40.2549, 19.6531, 51.5409

Background



This preview shows how black text looks on a background with the XYZ color 40.2549, 19.6531, 51.5409.



This preview shows how white text looks on a background with the XYZ color 40.2549, 19.6531,

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

40.2549, 19.6531, 51.5409

Protanopia

24.6059, 20.5887, 96.4431

Deuteranopia

20.8007, 20.2860, 45.9993



Tritanopia

31.7640, 20.0442, 9.7842

Trichromacy



Original Color

40.2549, 19.6531, 51.5409



Protanomaly

20.4016, 12.6877, 76.9750



Deuteranomaly

23.2302, 15.0205, 47.0223



Tritanomaly

33.4216, 18.3998, 19.8792

Monochromacy



Original Color

40.2549, 19.6531, 51.5409



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7103, 9.8359, 20.8092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2549, 19.6531, 51.5409 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(224, 0, 192)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 192)  
}
```

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(224, 0, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 192) }
```

Border

The CSS property to change the border of an element to XYZ 40.2549, 19.6531, 51.5409 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(224, 0, 192) }
```


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

```
.border{ border-color:rgb(224, 0, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 192);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2549, 19.6531, 51.5409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 192) }
```

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

```
.background{ background-color: rgb(224, 0,  
192) }
```

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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