

Converting Colors

XYZ(41.0585, 19.8086, 63.2712)

Have a look what the booklet for
XYZ(41.0585, 19.8086, 63.2712)
contains.

XYZ(40.9713, 19.7632, 63.2833)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.9713, 19.7632,
63.2833)**

Conversions

Conversions Part 1

Format	Color
Hex	DB00D3
RGB	219, 0, 211
RGB Percent	86%, 0%, 83%
CMY	0.1412, 0.9999, 0.1725
CMYK	0.00, 1.00, 0.04, 0.14
HSL	302°, 100%, 43%
HSV	302°, 100%, 86%
XYZ	40.9713, 19.7632, 63.2833
YIQ	89.5350, 62.7930, 112.0490

Conversions

Conversions Part 2

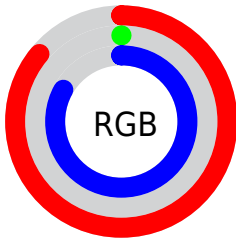
Format	Color
R_{YB}	219, 0, 211
Decimal	14352595
CIE _{Lab}	51.57, 86.46, -50.41
CIE _{LCh}	52, 100.082, 329.756
Yxy	19.7632, 0.3304, 0.1594
Android (android.graphics.Color)	4292542675 (0xFFDB00D3)
YUV	89.5350, 59.8822, 113.5408
Hunter-Lab	44.4558, 86.7112, -53.2808

Details

The XYZ color **40.9713, 19.7632, 63.2833** 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 **25.3763, 50.6815, 8.6757**, and the grayscale version is **9.4798, 9.9735, 10.8611**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.2988, 9.7712, 32.2687** is the 20% darker color. If you saturate the color by 10%, you get **40.9716, 19.7634, 63.2828**, and if you desaturate by 10%, it is **41.3580, 20.3749, 63.9085**.

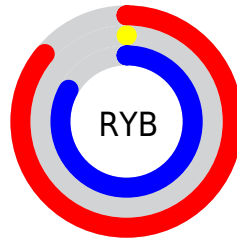
Distribution



Red (86%)

Green (0%)

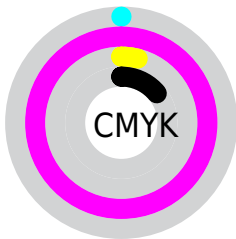
Blue (83%)



Red (86%)

Yellow (0%)

Blue (83%)

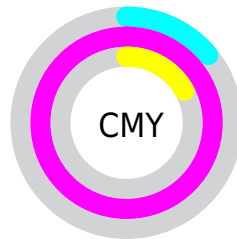


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9713, 19.7632, 63.2833 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 40.9713, 19.7632, 63.2833 by changing the saturation by 10% instead.


 40.9713, 19.7632,
63.2833


 40.9713, 19.7632,
63.2833


341.2653,
250.6303, 454.7331


 28.4842, 12.2230,
45.6280

 75.9153, 43.0198,
111.1676

 18.8333, 6.8958,
31.6058


 99.1030, 59.5050,
142.2337


 11.6532, 3.3970,
20.7983


 126.5882, 79.7408,
178.6072

 6.5785, 1.3423,
12.7868

 158.7363,
104.1113, 220.7064

 3.2439, 0.1736,
7.1529

 195.9127,
133.0012, 268.9501

 1.2840, 0.0000,
3.4780

 238.4828,

 0.1712, 0.0000,

166.7947, 323.7568

1.3436

286.8119,
205.8763, 385.5449

■ 0.0000, 0.0000,
0.0971

■ 0.0000, 0.0000,
0.0000

■ 40.9713, 19.7632,
63.2833

■ 40.9713, 19.7632,
63.2833

■ 40.9716, 19.7634,
63.2828

■ 41.3580, 20.3749,
63.9085

■ 42.0679, 21.6330,
64.6438

■ 43.2077, 23.7500,
65.5249

■ 44.8368, 26.8449,
66.5716

■ 47.0054, 31.0180,
67.8006

■ 49.7574, 36.3570,
69.2265

■ 53.1323, 42.9410,
70.8625

■ 57.1660, 50.8418,
72.7207

■ 61.8917, 60.1259,
74.8120

Harmonies

Analogous

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



30.1278, 19.7632, 114.5019



40.9713, 19.7632, 63.2833



45.5657, 19.7632, 21.7555

Triad

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



40.9713, 19.7632, 63.2833



18.8668, 19.7632, 0.0000



6.4894, 19.7632, 62.4484

Complementary

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



40.9713, 19.7632, 63.2833



25.3763, 50.6815, 8.6757

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.



5.3117, 19.7632, 21.2837



40.9713, 19.7632, 63.2833



10.7193, 19.7632, 0.1416

Square

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



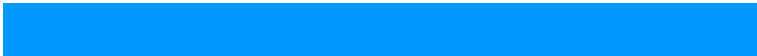
40.9713, 19.7632, 63.2833



30.3237, 19.7632, 0.1714



6.5300, 19.7632, 3.9286



10.6214, 19.7632, 113.7844

Rectangle

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



40.9713, 19.7632, 63.2833



43.5390, 19.7632, 7.6891



6.5300, 19.7632, 3.9286



5.8180, 19.7632, 46.2361

Sweetspot

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



40.9721, 19.7641, 63.2837



74.8632, 60.3414, 99.9670



12.8785, 5.1625, 67.3365



15.5687, 12.0267, 21.1796



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.



40.9721, 19.7641, 63.2837



57.8259, 27.8943, 89.2699



31.6233, 16.0246, 14.0534



13.5928, 13.2662, 16.3827



24.3032, 11.7223, 37.5720



1.5810, 0.7621, 2.4687

Inverse Universe

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



40.9721, 19.7641, 63.2837



57.8259, 27.8943, 89.2699



28.5323, 51.9440, 25.2952



13.5928, 13.2662, 16.3827



24.3032, 11.7223, 37.5720



1.5810, 0.7621, 2.4687

Previews

White Background



This preview shows how the XYZ color 40.9713, 19.7632, 63.2833 looks on a white background.

Color Contrast Check

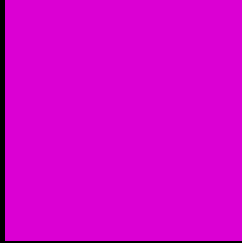
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9713, 19.7632, 63.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

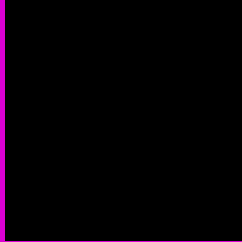
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.9713, 19.7632, 63.2833

Background



This preview shows how black text looks on a background with the XYZ color 40.9713, 19.7632, 63.2833.



This preview shows how white text looks on a background with the XYZ color 40.9713, 19.7632,

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

40.9713, 19.7632, 63.2833

Protanopia

24.6059, 20.5887, 96.4431

Deuteranopia

21.0939, 20.5834, 56.2873



Tritanopia

30.3083, 20.0129, 11.4980

Trichromacy



Original Color

40.9713, 19.7632, 63.2833



Protanomaly

21.3253, 13.0474, 82.2834



Deuteranomaly

23.1639, 14.9547, 58.1656



Tritanomaly

32.3707, 18.0885, 23.9756

Monochromacy



Original Color

40.9713, 19.7632, 63.2833



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.0827, 9.9659, 23.6302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9713, 19.7632, 63.2833 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(219, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 211)  
}
```

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(219, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 211) }
```

Border

The CSS property to change the border of an element to XYZ 40.9713, 19.7632, 63.2833 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(219, 0, 211) }
```


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

```
.border{ border-color:rgb(219, 0, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9713, 19.7632, 63.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 211) }
```

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

```
.background{ background-color: rgb(219, 0,  
211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor