

Converting Colors

XYZ(41.9105, 20.2388, 63.7153)

Have a look what the booklet for
XYZ(41.9105, 20.2388, 63.7153)
contains.

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Color

**XYZ(42.0079, 20.2831,
63.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00D4
RGB	222, 0, 212
RGB Percent	87%, 0%, 83%
CMY	0.1294, 0.9999, 0.1686
CMYK	0.00, 1.00, 0.05, 0.13
HSL	303°, 100%, 44%
HSV	303°, 100%, 87%
XYZ	42.0079, 20.2831, 63.9883
YIQ	90.5460, 64.2600, 112.9960

Conversions

Conversions Part 2

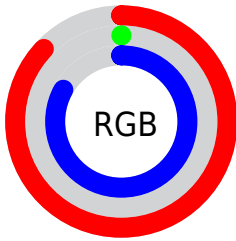
Format	Color
R_{YB}	222, 0, 212
Decimal	14549204
CIE _{Lab}	52.16, 87.09, -50.01
CIE _{LCh}	52, 100.427, 330.131
Yxy	20.2831, 0.3327, 0.1606
Android (android.graphics.Color)	4292739284 (0xFFDE00D4)
YUV	90.5460, 59.8768, 115.2852
Hunter-Lab	45.0368, 87.6810, -52.7136

Details

The XYZ color **42.0079, 20.2831, 63.9883** 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 **26.1771, 52.2655, 8.9968**, and the grayscale version is **9.7050, 10.2104, 11.1192**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **20.9861, 10.1157, 32.7447** is the 20% darker color. If you saturate the color by 10%, you get **42.0081, 20.2832, 63.9875**, and if you desaturate by 10%, it is **42.4264, 20.9168, 64.7524**.

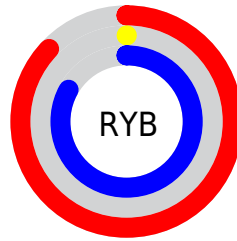
Distribution



Red (87%)

Green (0%)

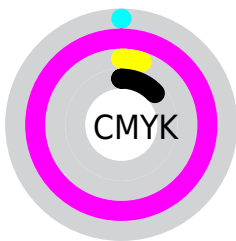
Blue (83%)



Red (87%)

Yellow (0%)

Blue (83%)

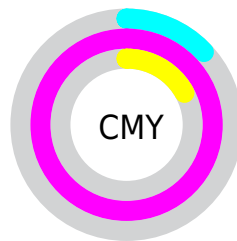


Cyan (0%)

Magenta (100%)

Yellow (5%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0079, 20.2831, 63.9883 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 42.0079, 20.2831, 63.9883 by changing the saturation by 10% instead.

 42.0079, 20.2831,
63.9883


 42.0079, 20.2831,
63.9883


345.5068,
253.4436, 457.3537


 29.2986, 12.6010,
46.1951


 77.4767, 43.8913,
112.1934


 19.4522, 7.1544,
32.0500


 100.9669, 60.5862,
143.4423

 12.1035, 3.5588,
21.1346


 128.7814, 81.0542,
180.0136

 6.8869, 1.4300,
13.0302

 161.2856,
105.6796, 222.3257

 3.4372, 0.2387,
7.3184

 198.8449,
134.8468, 270.7973

 1.3889, 0.0000,
3.5805

 241.8247,

 0.2483, 0.0000,

168.9403, 325.8467

1.3982

290.5901,
208.3444, 387.8927

■ 0.0000, 0.0000,
0.1403

■ 0.0000, 0.0000,
0.0000

■ 42.0079, 20.2831,
63.9883

■ 42.0079, 20.2831,
63.9883

■ 42.0081, 20.2832,
63.9875

■ 42.4264, 20.9168,
64.7524

■ 43.1793, 22.2189,
65.6318

■ 44.3761, 24.4074,
66.6630

■ 46.0783, 27.6054,
67.8665

■ 48.3377, 31.9166,
69.2596

■ 51.1998, 37.4319,
70.8575

■ 54.7053, 44.2329,
72.6738

■ 58.8915, 52.3939,
74.7209

■ 63.7927, 61.9837,
77.0103

Harmonies

Analogous

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



31.0037, 20.2831, 116.1719



42.0079, 20.2831, 63.9883



46.5782, 20.2831, 21.9554

Triad

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



42.0079, 20.2831, 63.9883



19.2332, 20.2831, 0.0000



6.7363, 20.2831, 64.4461

Complementary

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



42.0079, 20.2831, 63.9883



26.1771, 52.2655, 8.9968

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.



5.4961, 20.2831, 22.2149



42.0079, 20.2831, 63.9883



10.9595, 20.2831, 0.2144

Square

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



42.0079, 20.2831, 63.9883



30.8961, 20.2831, 0.1983



6.7139, 20.2831, 4.1851



11.0134, 20.2831, 116.5648

Rectangle

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



42.0079, 20.2831, 63.9883



44.4371, 20.2831, 7.7670



6.7139, 20.2831, 4.1851



6.0360, 20.2831, 47.8670

Sweetspot

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



42.0087, 20.2841, 63.9887



74.7600, 60.3001, 99.4235



13.2785, 5.3228, 69.4357



15.5436, 12.0167, 21.0472



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.



42.0087, 20.2841, 63.9887



57.4949, 27.7620, 87.5271



32.6044, 16.5224, 14.4664



14.2670, 13.9244, 17.1759



24.9632, 12.0523, 38.0673



1.7387, 0.8387, 2.6827

Inverse Universe

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



42.0087, 20.2841, 63.9887



57.4949, 27.7620, 87.5271



29.4170, 53.5614, 26.0579



14.2670, 13.9244, 17.1759



24.9632, 12.0523, 38.0673



1.7387, 0.8387, 2.6827

Previews

White Background



This preview shows how the XYZ color 42.0079, 20.2831, 63.9883 looks on a white background.

Color Contrast Check

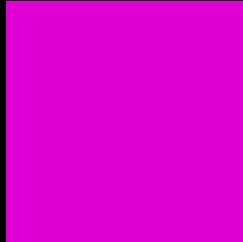
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0079, 20.2831, 63.9883 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 42.0079, 20.2831, 63.9883

Background



This preview shows how black text looks on a background with the XYZ color 42.0079, 20.2831, 63.9883.



This preview shows how white text looks on a background with the XYZ color 42.0079, 20.2831,

63.9883.

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

42.0079, 20.2831, 63.9883

Protanopia

25.3862, 21.3333, 97.3875

Deuteranopia

21.5160, 20.9765, 56.9477



Tritanopia

31.1909, 20.4631, 11.7570

Trichromacy



Original Color

42.0079, 20.2831, 63.9883



Protanomaly

23.1282, 14.1676, 83.1770



Deuteranomaly

23.7594, 15.2479, 58.8176



Tritanomaly

33.3077, 18.5636, 24.3819

Monochromacy



Original Color

42.0079, 20.2831, 63.9883



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.5337, 10.2643, 24.0315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0079, 20.2831, 63.9883 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.0079, 20.2831, 63.9883 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, 212) }
```


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

```
.border{ border-color:rgb(222, 0, 212) }
```

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, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0079, 20.2831, 63.9883 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, 212) }
```

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

```
.background{ background-color: rgb(222, 0,  
212) }
```

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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