

Converting Colors

XYZ(42.1021, 20.1439, 72.4749)

Have a look what the booklet for
XYZ(42.1021, 20.1439, 72.4749)
contains.

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Color

**XYZ(42.0698, 20.1335,
72.1898)**

Conversions

Conversions Part 1

Format	Color
Hex	D900E0
RGB	217, 0, 224
RGB Percent	85%, 0%, 88%
CMY	0.1490, 0.9999, 0.1216
CMYK	0.03, 1.00, 0.00, 0.12
HSL	298°, 100%, 44%
HSV	298°, 100%, 88%
XYZ	42.0698, 20.1335, 72.1898
YIQ	90.4190, 57.4280, 115.6680

Conversions

Conversions Part 2

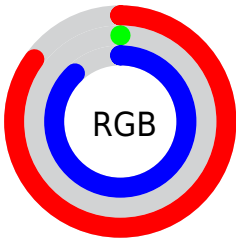
Format	Color
R_{YB}	217, 0, 224
Decimal	14221536
CIE _{Lab}	51.99, 88.00, -57.18
CIE _{LCh}	52, 104.941, 326.987
Yxy	20.1335, 0.3130, 0.1498
Android (android.graphics.Color)	4292411616 (0xFFD900E0)
YUV	90.4190, 65.8554, 111.0115
Hunter-Lab	44.8704, 88.8358, -63.9796

Details

The XYZ color **42.0698, 20.1335, 72.1898** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **26.7439, 53.3569, 8.8902**, and the grayscale version is **9.6638, 10.1670, 11.0719**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **20.9725, 9.9953, 37.8697** is the 20% darker color. If you saturate the color by 10%, you get **42.0701, 20.1337, 72.1901**, and if you desaturate by 10%, it is **42.5740, 20.8316, 72.2983**.

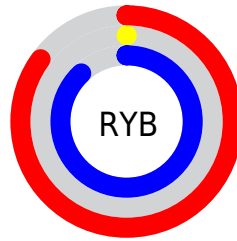
Distribution



Red (85%)

Green (0%)

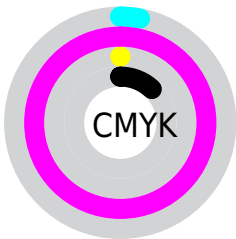
Blue (88%)



Red (85%)

Yellow (0%)

Blue (88%)

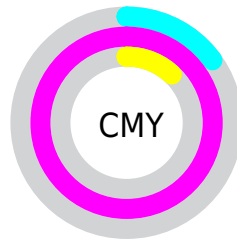


Cyan (3%)

Magenta (100%)

Yellow (0%)

Black (12%)



Cyan (15%)


Magenta (100%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0698, 20.1335, 72.1898 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 42.0698, 20.1335, 72.1898 by changing the saturation by 10% instead.

 42.0698, 20.1335,
72.1898


 42.0698, 20.1335,
72.1898


345.7589,
252.6369, 487.1972


 29.3473, 12.4921,
52.8260


 77.5698, 43.6409,
124.0366


 19.4893, 7.0798,
37.2771

 101.0779, 60.2757,
157.3566


 12.1305, 3.5120,
25.1246


 128.9120, 80.6771,
196.1657

 6.9054, 1.4045,
15.9501

 161.4374,
105.2295, 240.8825

 3.4488, 0.2201,
9.3348

 199.0194,
134.3173, 291.9255

 1.3953, 0.0000,
4.8604

 242.0234,

 0.2529, 0.0000,

168.3249, 349.7133

2.1083

290.8148,
207.6366, 414.6643

■ 0.0000, 0.0000,
0.6207

■ 0.0000, 0.0000,
0.0000

■ 42.0698, 20.1335,
72.1898

■ 42.0698, 20.1335,
72.1898

■ 42.0701, 20.1337,
72.1901

■ 42.5740, 20.8316,
72.2983

■ 43.4201, 22.2130,
72.5203

■ 44.7193, 24.4992,
72.8931

■ 46.5347, 27.8164,
73.4377

■ 48.9191, 32.2705,
74.1718

■ 51.9192, 37.9546,
75.1108

■ 55.5766, 44.9519,
76.2686

■ 59.9293, 53.3386,
77.6580

■ 65.0125, 63.1848,
79.2906

Harmonies

Analogous

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



30.0633, 20.1335, 127.3728



42.0698, 20.1335, 72.1898



47.8825, 20.1335, 25.1647

Triad

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



42.0698, 20.1335, 72.1898



20.2374, 20.1335, 0.0000



6.0408, 20.1335, 60.9632

Complementary

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



42.0698, 20.1335, 72.1898



26.7439, 53.3569, 8.8902

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.



5.0730, 20.1335, 18.9705



42.0698, 20.1335, 72.1898



11.2412, 20.1335, 0.0000

Square

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



42.0698, 20.1335, 72.1898



32.6643, 20.1335, 0.1144



6.5558, 20.1335, 2.9465



9.9788, 20.1335, 117.6301

Rectangle

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



42.0698, 20.1335, 72.1898



46.2995, 20.1335, 8.8276



6.5558, 20.1335, 2.9465



5.4399, 20.1335, 44.0141

Sweetspot

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



42.0707, 20.1344, 72.1902



74.4361, 60.0696, 102.2791



13.5363, 5.5447, 70.8780



15.4645, 11.9604, 21.7435



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.



42.0707, 20.1344, 72.1902



56.4190, 26.9999, 96.8456



34.0996, 17.1914, 19.1254



14.2505, 13.9127, 17.3220



24.5070, 11.7291, 42.0206



1.7122, 0.8200, 2.9133

Inverse Universe

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



30.7794, 15.8634, 1.6415



41.2837, 21.2775, 2.1599



29.1828, 54.3223, 22.1905



13.7245, 13.7074, 14.3195



17.9233, 9.2363, 0.9960



1.2486, 0.6427, 0.1017

Previews

White Background



This preview shows how the XYZ color 42.0698, 20.1335, 72.1898 looks on a white background.

Color Contrast Check

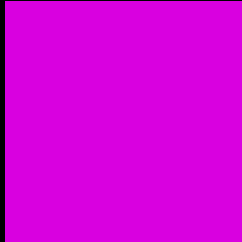
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0698, 20.1335, 72.1898 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 42.0698, 20.1335, 72.1898

Background



This preview shows how black text looks on a background with the XYZ color 42.0698, 20.1335, 72.1898.



This preview shows how white text looks on a background with the XYZ color 42.0698, 20.1335,

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

42.0698, 20.1335, 72.1898

Protanopia

25.1011, 21.0049, 97.3391

Deuteranopia

21.5335, 20.8181, 64.5114



Tritanopia

29.8672, 20.3442, 12.9423

Trichromacy



Original Color

42.0698, 20.1335, 72.1898



Protanomaly

23.1028, 13.9633, 87.0655



Deuteranomaly

23.2894, 14.8328, 66.6013



Tritanomaly

31.9540, 18.0168, 26.9927

Monochromacy



Original Color

42.0698, 20.1335, 72.1898



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.2767, 10.0246, 25.5032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0698, 20.1335, 72.1898 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(217, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 224)  
}
```

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(217, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 42.0698, 20.1335, 72.1898 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(217, 0, 224) }
```


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

```
.border{ border-color:rgb(217, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0698, 20.1335, 72.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 224) }
```

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

```
.background{ background-color: rgb(217, 0,  
224) }
```

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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