

Converting Colors

XYZ(43.1530, 20.6857, 72.5241)

Have a look what the booklet for
XYZ(43.1530, 20.6857, 72.5241)
contains.

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Color

**XYZ(42.9697, 20.5975,
72.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	DC00E0
RGB	220, 0, 224
RGB Percent	86%, 0%, 88%
CMY	0.1373, 0.9999, 0.1216
CMYK	0.02, 1.00, 0.00, 0.12
HSL	299°, 100%, 44%
HSV	299°, 100%, 88%
XYZ	42.9697, 20.5975, 72.2320
YIQ	91.3160, 59.2160, 116.3040

Conversions

Conversions Part 2

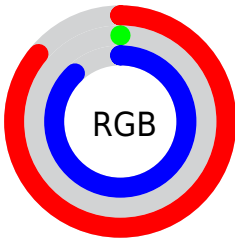
Format	Color
R _{YB}	220, 0, 224
Decimal	14418144
CIE _{Lab}	52.51, 88.46, -56.32
CIE _{LCh}	53, 104.866, 327.519
Y _{xy}	20.5975, 0.3164, 0.1517
Android (android.graphics.Color)	4292608224 (0xFFDC00E0)
YUV	91.3160, 65.4132, 112.8559
Hunter-Lab	45.3845, 89.5797, -62.5943

Details

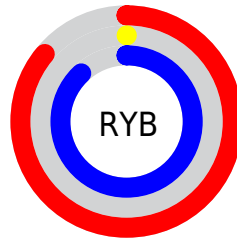
The XYZ color **42.9697, 20.5975, 72.2320** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **26.7065, 53.3377, 8.8886**, and the grayscale version is **9.8670, 10.3809, 11.3048**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.5651, 10.3007, 37.8974** is the 20% darker color. If you saturate the color by 10%, you get **42.9700, 20.5976, 72.2323**, and if you desaturate by 10%, it is **43.3867, 21.2508, 72.3364**.

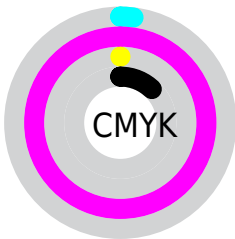
Distribution



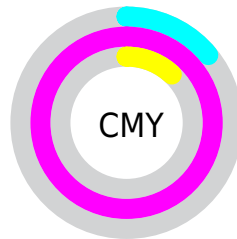
- Red (86%)
- Green (0%)
- Blue (88%)



- Red (86%)
- Yellow (0%)
- Blue (88%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)





- Cyan (14%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9697, 20.5975, 72.2320 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 42.9697, 20.5975, 72.2320 by changing the saturation by 10% instead.


 42.9697, 20.5975,
72.2320

 42.9697, 20.5975,
72.2320

349.4108,
255.1316, 487.3479


 30.0558, 12.8301,
52.8602


 78.9211, 44.4167,
124.0971

 20.0292, 7.3117,
37.3042


 102.6893, 61.2373,
157.4275


 12.5247, 3.6578,
25.1455


 130.8063, 81.8444,
196.2479

 7.1768, 1.4840,
15.9655

 163.6375,
106.6224, 240.9767

 3.6202, 0.2774,
9.3456

 201.5482,
135.9558, 292.0326

 1.4896, 0.0000,
4.8674

 244.9037,

 0.3187, 0.0000,

170.2288, 349.8341

2.1123

294.0694,
209.8260, 414.7997

■ 0.0000, 0.0000,
0.6231

■ 0.0000, 0.0000,
0.0000

■ 42.9697, 20.5975,
72.2320

■ 42.9697, 20.5975,
72.2320

■ 42.9700, 20.5976,
72.2323

■ 43.3867, 21.2508,
72.3364

■ 44.1450, 22.5871,
72.5544

■ 45.3559, 24.8280,
72.9231

■ 47.0823, 28.0995,
73.4636

■ 49.3773, 32.5078,
74.1935

■ 52.2873, 38.1457,
75.1283

■ 55.8540, 45.0966,
76.2820

■ 60.1154, 53.4366,
77.6672

■ 65.1068, 63.2358,
79.2956

Harmonies

Analogous

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



30.8822, 20.5975, 128.0649



42.9697, 20.5975, 72.2320



48.6833, 20.5975, 25.1139

Triad

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



42.9697, 20.5975, 72.2320



20.4942, 20.5975, 0.0000



6.2938, 20.5975, 62.8972

Complementary

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



42.9697, 20.5975, 72.2320



26.7065, 53.3377, 8.8886

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.



5.2581, 20.5975, 19.9393



42.9697, 20.5975, 72.2320



11.4350, 20.5975, 0.0000

Square

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



42.9697, 20.5975, 72.2320



33.0504, 20.5975, 0.1445



6.7271, 20.5975, 3.2122



10.3766, 20.5975, 119.9796

Rectangle

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



42.9697, 20.5975, 72.2320



46.9642, 20.5975, 8.8233



6.7271, 20.5975, 3.2122



5.6627, 20.5975, 45.6423

Sweetspot

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



42.9706, 20.5984, 72.2324



74.8093, 60.2620, 102.2966



13.5365, 5.5449, 70.8781



15.5555, 12.0073, 21.7477



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.



42.9706, 20.5984, 72.2324



57.6346, 27.6266, 96.9025



34.0999, 17.1917, 19.1264



14.2696, 13.9225, 17.3229



25.0227, 11.9950, 42.0448



1.7423, 0.8355, 2.9147

Inverse Universe

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



30.7631, 15.8570, 1.5552



41.2649, 21.2700, 2.0614



29.1831, 54.3225, 22.1915



13.7171, 13.7045, 14.2806



17.9104, 9.2312, 0.9280



1.2450, 0.6413, 0.0830

Previews

White Background



This preview shows how the XYZ color 42.9697, 20.5975, 72.2320 looks on a white background.

Color Contrast Check

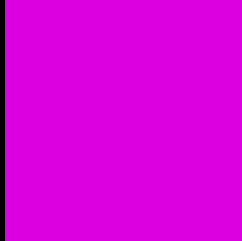
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9697, 20.5975, 72.2320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

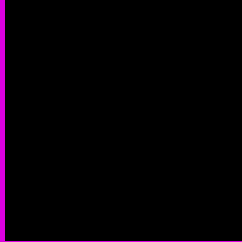
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9697, 20.5975, 72.2320

Background



This preview shows how black text looks on a background with the XYZ color 42.9697, 20.5975, 72.2320.



This preview shows how white text looks on a background with the XYZ color 42.9697, 20.5975,

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

42.9697, 20.5975, 72.2320

Protanopia

25.6397, 21.6471, 97.4347

Deuteranopia

22.0756, 21.4811, 64.6108



Tritanopia

30.9637, 20.9094, 12.9936

Trichromacy



Original Color

42.9697, 20.5975, 72.2320



Protanomaly

24.0905, 14.5771, 87.1319



Deuteranomaly

23.7945, 15.2027, 66.6461



Tritanomaly

33.0859, 18.6003, 27.0457

Monochromacy



Original Color

42.9697, 20.5975, 72.2320



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.6545, 10.2935, 25.5351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9697, 20.5975, 72.2320 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(220, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 42.9697, 20.5975, 72.2320 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(220, 0, 224) }
```


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

```
.border{ border-color:rgb(220, 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(220, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9697, 20.5975, 72.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 224) }
```

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

```
.background{ background-color: rgb(220, 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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