

Converting Colors

XYZ(45.5085, 22.8597, 29.2714)

Have a look what the booklet for
XYZ(45.5085, 22.8597, 29.2714)
contains.

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Color

**XYZ(45.3332, 22.7708,
29.2000)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0092
RGB	252, 0, 146
RGB Percent	99%, 0%, 57%
CMY	0.0118, 0.9998, 0.4274
CMYK	0.00, 1.00, 0.42, 0.01
HSL	325°, 100%, 49%
HSV	325°, 100%, 99%
XYZ	45.3332, 22.7708, 29.2000
YIQ	91.9920, 103.3260, 98.8300

Conversions

Conversions Part 2

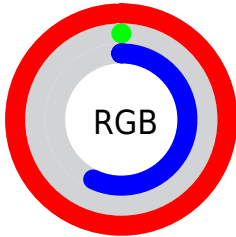
Format	Color
R_{YB}	252, 0, 146
Decimal	16515218
CIE _{Lab}	54.84, 85.33, -6.84
CIE _{LCh}	55, 85.606, 355.414
Yxy	22.7708, 0.4659, 0.2340
Android (android.graphics.Color)	4294705298 (0xFFFC0092)
YUV	91.9920, 26.6259, 140.3270
Hunter-Lab	47.7188, 86.0686, -2.8775

Details

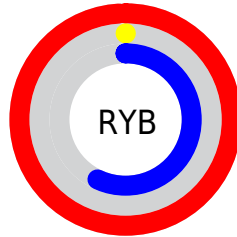
The XYZ color **45.3332, 22.7708, 29.2000** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.4159, 70.6630, 25.3202**, and the grayscale version is **10.1030, 10.6292, 11.5752**.

A 20% lighter version of the original color is **56.2225, 34.5445, 58.3481**, and **23.0976, 11.6633, 12.1002** is the 20% darker color. If you saturate the color by 10%, you get **45.3311, 22.7699, 29.1892**, and if you desaturate by 10%, it is **46.5501, 23.8228, 33.8656**.

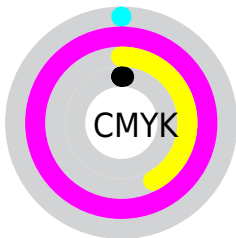
Distribution



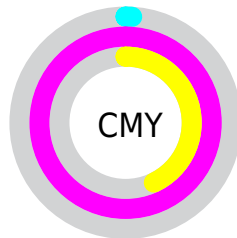
- Red (99%)
- Green (0%)
- Blue (57%)



- Red (99%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3332, 22.7708, 29.2000 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 45.3332, 22.7708, 29.2000 by changing the saturation by 10% instead.

 45.3332, 22.7708,
29.2000


 45.3332, 22.7708,
29.2000


358.8824,
266.5456, 312.2479

 31.9224, 14.4244,
18.9853


 82.4542, 48.0167,
59.4407


 21.4575, 8.4164,
11.4829


 106.8950, 65.6850,
80.3037


 13.5732, 4.3625,
6.2744


 135.7432, 87.2293,
105.5533

 7.9041, 1.8784,
2.9412

 169.3642,
113.0341, 135.6079

 4.0849, 0.5353,
1.0647

 208.1232,
143.4837, 170.8861

 1.7503, 0.0000,
0.0000

252.3857,

 0.4874, 0.0000,

178.9625, 211.8065

0.0000

302.5170,
219.8550, 258.7876

■ 0.0000, 0.0000,
0.0000

■ 45.3332, 22.7708,
29.2000

■ 45.3332, 22.7708,
29.2000

■ 45.3311, 22.7699,
29.1892

■ 46.5501, 23.8228,
33.8656

■ 48.2994, 25.8141,
39.0959

■ 50.7228, 29.0247,
44.9475

■ 53.9067, 33.6249,
51.4585

■ 57.9242, 39.7575,
58.6620

■ 62.8389, 47.5476,
66.5879

■ 68.7084, 57.1070,
75.2635

■ 75.5850, 68.5381,
84.7145

■ 83.5172, 81.9351,
94.9647

Harmonies

Analogous

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



40.3560, 22.7708, 67.7253



45.3332, 22.7708, 29.2000



42.6014, 22.7708, 8.4745

Triad

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



45.3332, 22.7708, 29.2000



14.7327, 22.7708, 1.2244



12.8667, 22.7708, 97.2502

Complementary

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



45.3332, 22.7708, 29.2000



37.4159, 70.6630, 25.3202

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.



9.0126, 22.7708, 54.5738



45.3332, 22.7708, 29.2000



9.8489, 22.7708, 5.4123

Square

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



45.3332, 22.7708, 29.2000



23.1314, 22.7708, 0.6440



8.0957, 22.7708, 20.8543



20.2198, 22.7708, 121.5309

Rectangle

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



45.3332, 22.7708, 29.2000



37.1023, 22.7708, 3.1139



8.0957, 22.7708, 20.8543



11.2139, 22.7708, 83.5460

Sweetspot

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



45.3338, 22.7721, 29.2004



70.5542, 58.6178, 77.2760



23.4014, 10.0351, 92.7989



14.5311, 11.6117, 15.7153



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.



45.3338, 22.7721, 29.2004



46.5625, 23.3890, 29.9578



40.2814, 20.7512, 2.5946



17.6662, 17.3938, 20.0980



23.6888, 11.8912, 15.6013



2.2469, 1.1225, 1.7237

Inverse Universe

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



45.3338, 22.7721, 29.2004



46.5625, 23.3890, 29.9578



49.2357, 75.3909, 87.5620



17.6662, 17.3938, 20.0980



23.6888, 11.8912, 15.6013



2.2469, 1.1225, 1.7237

Previews

White Background



This preview shows how the XYZ color 45.3332, 22.7708, 29.2000 looks on a white background.

Color Contrast Check

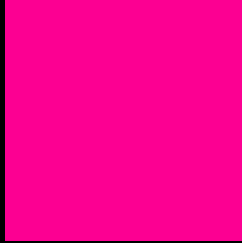
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3332, 22.7708, 29.2000 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 45.3332, 22.7708, 29.2000

Background



This preview shows how black text looks on a background with the XYZ color 45.3332, 22.7708, 29.2000.



This preview shows how white text looks on a background with the XYZ color 45.3332, 22.7708,

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

45.3332, 22.7708, 29.2000

Protanopia

25.2090, 23.5020, 64.1804

Deuteranopia

23.5939, 23.1169, 26.1401



Tritanopia

40.6602, 23.1160, 6.4565

Trichromacy



Original Color

45.3332, 22.7708, 29.2000



Protanomaly

25.9675, 16.9425, 48.9153



Deuteranomaly

27.1311, 17.8162, 26.4350



Tritanomaly

41.6168, 22.2182, 11.9926

Monochromacy



Original Color

45.3332, 22.7708, 29.2000



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

17.0663, 10.7818, 16.5108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3332, 22.7708, 29.2000 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(252, 0, 146)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 146)  
}
```

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(252, 0, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 146) }
```

Border

The CSS property to change the border of an element to XYZ 45.3332, 22.7708, 29.2000 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(252, 0, 146) }
```


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

```
.border{ border-color:rgb(252, 0, 146) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3332, 22.7708, 29.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 146) }
```

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

```
.background{ background-color: rgb(252, 0,  
146) }
```

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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