

Converting Colors

XYZ(42.6172, 21.3888, 28.2504)

Have a look what the booklet for
XYZ(42.6172, 21.3888, 28.2504)
contains.

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Color

**XYZ(42.6902, 21.4261,
28.2712)**

Conversions

Conversions Part 1

Format	Color
Hex	F50090
RGB	245, 0, 144
RGB Percent	96%, 0%, 56%
CMY	0.0392, 0.9998, 0.4353
CMYK	0.00, 1.00, 0.41, 0.04
HSL	325°, 100%, 48%
HSV	325°, 100%, 96%
XYZ	42.6902, 21.4261, 28.2712
YIQ	89.6710, 99.7960, 96.7240

Conversions

Conversions Part 2

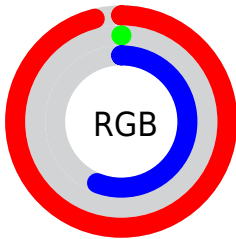
Format	Color
R_{YB}	245, 0, 144
Decimal	16056464
CIE _{Lab}	53.41, 83.72, -7.92
CIE _{LCh}	53, 84.093, 354.599
Yxy	21.4261, 0.4621, 0.2319
Android (android.graphics.Color)	4294246544 (0xFFFF50090)
YUV	89.6710, 26.7842, 136.2235
Hunter-Lab	46.2883, 83.6201, -3.8103

Details

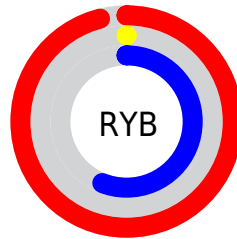
The XYZ color **42.6902, 21.4261, 28.2712** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **35.0049, 66.2458, 23.2688**, and the grayscale version is **9.5785, 10.0773, 10.9742**.

A 20% lighter version of the original color is **55.8007, 34.0726, 57.0617**, and **21.3118, 10.7532, 11.5420** is the 20% darker color. If you saturate the color by 10%, you get **42.6883, 21.4253, 28.2615**, and if you desaturate by 10%, it is **43.8357, 22.4255, 32.6349**.

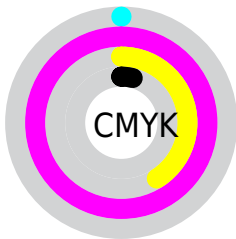
Distribution



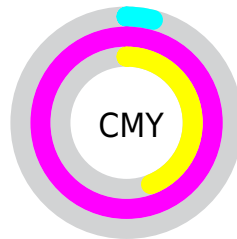
- Red (96%)
- Green (0%)
- Blue (56%)



- Red (96%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6902, 21.4261, 28.2712 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 42.6902, 21.4261, 28.2712 by changing the saturation by 10% instead.

 42.6902, 21.4261,
28.2712


 42.6902, 21.4261,
28.2712


348.2793,
259.5344, 307.7132


 29.8356, 13.4358,
18.2894


 78.5018, 45.7956,
57.9454


 19.8613, 7.7293,
10.9864


 102.1895, 62.9436,
78.4749


 12.4019, 3.9222,
5.9436

 130.2189, 83.9130,
103.3574

 7.0922, 1.6302,
2.7426

 162.9554,
109.0882, 133.0114

 3.5667, 0.3778,
0.9647

 200.7643,
138.8535, 167.8554

 1.4600, 0.0000,
0.0000

244.0110,

 0.2984, 0.0000,

173.5934, 208.3080

0.0000

293.0609,
213.6922, 254.7877

■ 0.0000, 0.0000,
0.0000

■ 42.6902, 21.4261,
28.2712

■ 42.6902, 21.4261,
28.2712

■ 42.6883, 21.4253,
28.2615

■ 43.8357, 22.4255,
32.6349

■ 45.4763, 24.3018,
37.5130

■ 47.7455, 27.3193,
42.9584

■ 50.7241, 31.6368,
49.0060

■ 54.4797, 37.3873,
55.6862

■ 59.0720, 44.6874,
63.0261

■ 64.5542, 53.6417,
71.0510

■ 70.9753, 64.3453,
79.7841

■ 78.3804, 76.8864,
89.2475

Harmonies

Analogous

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



37.8135, 21.4261, 64.9882



42.6902, 21.4261, 28.2712



40.3081, 21.4261, 8.2620

Triad

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



42.6902, 21.4261, 28.2712



14.0206, 21.4261, 1.0985



11.9491, 21.4261, 90.7590

Complementary

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



42.6902, 21.4261, 28.2712



35.0049, 66.2458, 23.2688

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.



8.4018, 21.4261, 50.3723



42.6902, 21.4261, 28.2712



9.3297, 21.4261, 4.8635

Square

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



42.6902, 21.4261, 28.2712



22.0243, 21.4261, 0.5852



7.6068, 21.4261, 18.9999



18.7910, 21.4261, 114.5262

Rectangle

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



42.6902, 21.4261, 28.2712



35.2020, 21.4261, 3.0337



7.6068, 21.4261, 18.9999



10.4217, 21.4261, 77.6977

Sweetspot

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



42.6908, 21.4273, 28.2715



70.6409, 58.6525, 77.7325



21.5229, 9.1925, 87.0259



14.5517, 11.6199, 15.8238



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.



42.6908, 21.4273, 28.2715



46.7332, 23.4573, 30.8566



37.8274, 19.4820, 2.6613



16.9077, 16.6459, 19.2605



23.0677, 11.5705, 15.5965



2.0785, 1.0373, 1.6395

Inverse Universe

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



42.6908, 21.4273, 28.2715



46.7332, 23.4573, 30.8566



45.6384, 70.4992, 79.2641



16.9077, 16.6459, 19.2605



23.0677, 11.5705, 15.5965



2.0785, 1.0373, 1.6395

Previews

White Background



This preview shows how the XYZ color 42.6902, 21.4261, 28.2712 looks on a white background.

Color Contrast Check

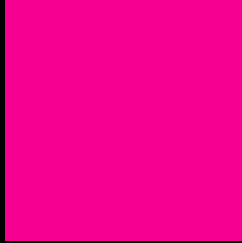
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6902, 21.4261, 28.2712 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 42.6902, 21.4261, 28.2712

Background



This preview shows how black text looks on a background with the XYZ color 42.6902, 21.4261, 28.2712.



This preview shows how white text looks on a background with the XYZ color 42.6902, 21.4261,

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

42.6902, 21.4261, 28.2712

Protanopia

23.8889, 22.2804, 62.0730

Deuteranopia

22.3825, 21.9361, 25.2447



Tritanopia

38.1620, 21.7570, 6.1911

Trichromacy



Original Color

42.6902, 21.4261, 28.2712



Protanomaly

24.3567, 15.9249, 47.1375



Deuteranomaly

25.7441, 17.0084, 25.5930



Tritanomaly

39.0520, 20.8603, 11.4194

Monochromacy



Original Color

42.6902, 21.4261, 28.2712



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1317, 10.1630, 15.8633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6902, 21.4261, 28.2712 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(245, 0, 144)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 144)  
}
```

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(245, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 42.6902, 21.4261, 28.2712 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(245, 0, 144) }
```


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

```
.border{ border-color:rgb(245, 0, 144) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6902, 21.4261, 28.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 144) }
```

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

```
.background{ background-color: rgb(245, 0,  
144) }
```

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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