

Converting Colors

XYZ(51.9912, 29.3096, 71.7609)

Have a look what the booklet for
XYZ(51.9912, 29.3096, 71.7609)
contains.

XYZ(52.1848, 29.4235, 72.0361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.1848, 29.4235,
72.0361)**

Conversions

Conversions Part 1

Format	Color
Hex	F14EDE
RGB	241, 78, 222
RGB Percent	95%, 31%, 87%
CMY	0.0549, 0.6941, 0.1294
CMYK	0.00, 0.68, 0.08, 0.05
HSL	307°, 85%, 63%
HSV	307°, 68%, 95%
XYZ	52.1848, 29.4235, 72.0361
YIQ	143.1530, 50.9240, 79.3400

Conversions

Conversions Part 2

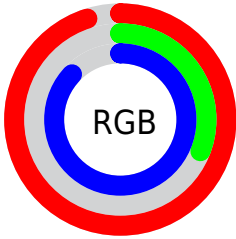
Format	Color
R _Y B	241, 78, 222
Decimal	15814366
CIE Lab	61.15, 76.86, -41.25
CIE LCh	61, 87.232, 331.780
Yxy	29.4235, 0.3396, 0.1915
Android (android.graphics.Color)	4294004446 (0xFFFF14EDE)
YUV	143.1530, 38.8716, 85.8118
Hunter-Lab	54.2434, 76.7996, -40.7676

Details

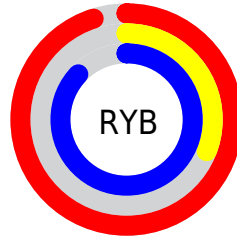
The XYZ color **52.1848, 29.4235, 72.0361** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **36.7563, 65.3945, 21.9966**, and the grayscale version is **26.0066, 27.3610, 29.7961**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **25.9390, 12.5769, 37.1368** is the 20% darker color. If you saturate the color by 10%, you get **50.4022, 26.4553, 69.5997**, and if you desaturate by 10%, it is **54.6027, 33.6509, 74.7157**.

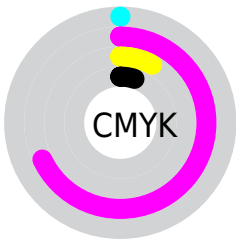
Distribution



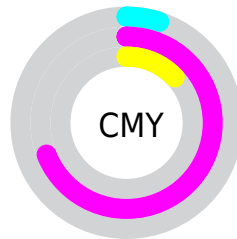
- Red (95%)
- Green (31%)
- Blue (87%)



- Red (95%)
- Yellow (31%)
- Blue (87%)



- Cyan (0%)
- Magenta (68%)
- Yellow (8%)
- Black (5%)





- Cyan (5%)
- Magenta (69%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1848, 29.4235, 72.0361 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 52.1848, 29.4235, 72.0361 by changing the saturation by 10% instead.


 52.1848, 29.4235,
72.0361


 52.1848, 29.4235,
72.0361


385.4619,
299.2079, 486.6482

 37.3773, 19.4014,
52.7011

 92.5763, 58.7493,
123.8161


 25.6747, 11.9607,
37.1782

 118.8910, 78.8218,
157.0981

 16.7119, 6.7169,
25.0486


 149.7722,
103.0132, 195.8663

 10.1233, 3.2857,
15.8939

 185.5851,
131.7079, 240.5392

 5.5437, 1.2826,
9.2956

226.6952,
165.2904, 291.5353

 2.6077, 0.1277,
4.8350

273.4678,

 0.9499, 0.0000,

204.1449, 349.2731

2.0938

326.2682,
248.6560, 414.1712

■ 0.0000, 0.0000,
0.6120

■ 0.0000, 0.0000,
0.0000

■ 52.1848, 29.4235,
72.0361

■ 52.1848, 29.4235,
72.0361

■ 50.4022, 26.4553,
69.5997

■ 54.6027, 33.6509,
74.7157

■ 49.1795, 24.5975,
67.3805


■ 57.7143, 39.2564,
77.6574


■ 48.4210, 23.6581,
65.3467


■ 61.5749, 46.3496,
80.8800


■ 48.2744, 23.5003,
64.8805


■ 66.2332, 55.0281,
84.3999

 71.7339, 65.3811,
88.2322

 78.1182, 77.4912,
92.3907

 85.4248, 91.4356,
96.8884

 88.4375, 96.7815,
99.9868

 88.8685, 96.9540,
102.2568

Harmonies

Analogous

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



41.2314, 29.4235, 121.0313



52.1848, 29.4235, 72.0361



56.2338, 29.4235, 30.1188

Triad

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



52.1848, 29.4235, 72.0361



27.2880, 29.4235, 1.3104



13.1198, 29.4235, 78.0151

Complementary

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



52.1848, 29.4235, 72.0361



36.7563, 65.3945, 21.9966

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.



11.2327, 29.4235, 34.0354



52.1848, 29.4235, 72.0361



17.9032, 29.4235, 2.7768

Square

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



52.1848, 29.4235, 72.0361



39.7164, 29.4235, 2.4107



12.7114, 29.4235, 10.5207



18.7973, 29.4235, 125.8433

Rectangle

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



52.1848, 29.4235, 72.0361



53.7844, 29.4235, 13.8800



12.7114, 29.4235, 10.5207



12.1037, 29.4235, 61.5751

Sweetspot

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



52.1859, 29.4249, 72.0367



79.9403, 71.2887, 99.2141



23.2501, 14.1969, 84.7347



16.7264, 14.5350, 20.9705



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.



52.1859, 29.4249, 72.0367



56.7282, 29.1760, 78.1851



43.9745, 26.1404, 28.7962



16.3703, 15.9978, 19.5061



26.2106, 12.7567, 35.3552



2.2028, 1.0701, 3.0586

Inverse Universe

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



52.1859, 29.4249, 72.0367



56.7282, 29.1760, 78.1851



42.4153, 67.6581, 51.7965



16.3703, 15.9978, 19.5061



26.2106, 12.7567, 35.3552



2.2028, 1.0701, 3.0586

Previews

White Background



This preview shows how the XYZ color 52.1848, 29.4235, 72.0361 looks on a white background.

Color Contrast Check

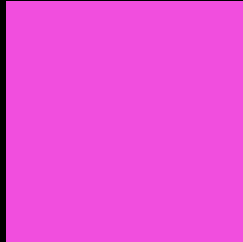
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.1848, 29.4235, 72.0361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

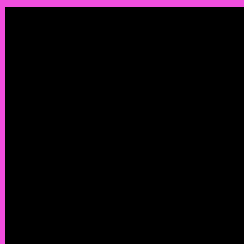
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.1848, 29.4235, 72.0361

Background



This preview shows how black text looks on a background with the XYZ color 52.1848, 29.4235, 72.0361.



This preview shows how white text looks on a background with the XYZ color 52.1848, 29.4235,

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

52.1848, 29.4235, 72.0361

Protanopia

33.0603, 29.7632, 98.6101

Deuteranopia

30.3489, 29.5460, 65.7314



Tritanopia

41.4791, 29.2829, 20.6055

Trichromacy



Original Color

52.1848, 29.4235, 72.0361



Protanomaly

35.4718, 26.3880, 88.0179



Deuteranomaly

35.0395, 26.7965, 67.6154



Tritanomaly

44.3001, 28.6281, 34.6434

Monochromacy



Original Color

52.1848, 29.4235, 72.0361



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

32.6336, 25.7559, 42.2811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1848, 29.4235, 72.0361 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(241, 78, 222)` looks like.

```
.text, #text, p{  
    color:rgb(241, 78, 222)  
}
```

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(241, 78, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 78, 222) }
```

Border

The CSS property to change the border of an element to XYZ 52.1848, 29.4235, 72.0361 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(241, 78, 222) }
```


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

```
.border{ border-color:rgb(241, 78, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 78, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 78, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 78, 222);  
box-shadow:4px 4px 4px 4px rgb(241, 78,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1848, 29.4235, 72.0361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 78, 222) }
```

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

```
.background{ background-color: rgb(241, 78,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor