

Converting Colors

XYZ(48.0379, 20.2733, 41.3692)

Have a look what the booklet for
XYZ(48.0379, 20.2733, 41.3692)
contains.

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Color

**XYZ(48.8800, 24.3160,
42.1616)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00AE
RGB	255, 0, 174
RGB Percent	100%, 0%, 68%
CMY	0.0000, 0.9998, 0.3176
CMYK	0.00, 1.00, 0.32, 0.00
HSL	319°, 100%, 50%
HSV	319°, 100%, 100%
XYZ	48.8800, 24.3160, 42.1616
YIQ	96.0810, 96.1260, 108.1740

Conversions

Conversions Part 2

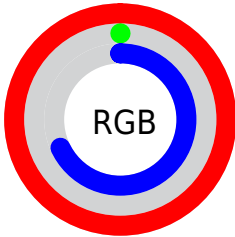
Format	Color
RYB	255, 0, 174
Decimal	16711854
CIELab	56.40, 88.51, -20.94
CIElCh	56, 90.954, 346.688
Yxy	24.3160, 0.4237, 0.2108
Android (android.graphics.Color)	4294901934 (0xFFFF00AE)
YUV	96.0810, 38.4141, 139.3720
Hunter-Lab	49.3113, 90.6442, -16.1756

Details

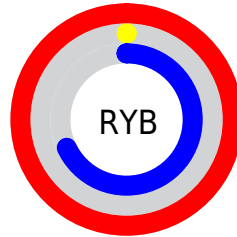
The XYZ color **48.8800, 24.3160, 42.1616** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.2482, 72.1154, 19.7528**, and the grayscale version is **11.0395, 11.6145, 12.6481**.

A 20% lighter version of the original color is **60.1766, 36.2805, 78.6941**, and **25.4435, 12.7179, 19.2029** is the 20% darker color. If you saturate the color by 10%, you get **48.8782, 24.3153, 42.1520**, and if you desaturate by 10%, it is **50.0538, 25.3611, 46.5684**.

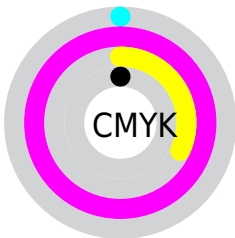
Distribution



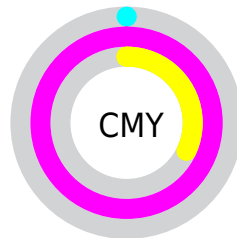
- Red (100%)
- Green (0%)
- Blue (68%)



- Red (100%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8800, 24.3160, 42.1616 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 48.8800, 24.3160, 42.1616 by changing the saturation by 10% instead.

 48.8800, 24.3160,
42.1616


 48.8800, 24.3160,
42.1616


372.7945,
274.4142, 370.9718

 34.7384, 15.5682,
28.9013


 87.7150, 50.5454,
79.7169


 23.6270, 9.2191,
18.7613


 113.1391, 68.7957,
104.8490


 15.1804, 4.8844,
11.3228


 143.0549, 90.9824,
134.7754

 9.0332, 2.1796,
6.1675

 177.8275,
117.4898, 169.9147

 4.8202, 0.7088,
2.8768

 217.8224,
148.7023, 210.6855

 2.1758, 0.0000,
1.0321

263.4050,

 0.7299, 0.0000,

185.0042, 257.5062

0.0000

314.9406,
226.7801, 310.7955

■ 0.0000, 0.0000,
0.0000

■ 48.8800, 24.3160,
42.1616

■ 48.8800, 24.3160,
42.1616

■ 48.8782, 24.3153,
42.1520

■ 50.0538, 25.3611,
46.5684

■ 51.7431, 27.3596,
51.3860

■ 54.0916, 30.5978,
56.6663

■ 57.1875, 35.2507,
62.4426

■ 61.1047, 41.4650,
68.7432

■ 65.9081, 49.3690,
75.5932

■ 71.6555, 59.0775,
83.0158

■ 78.3999, 70.6954,
91.0319

■ 86.1903, 84.3194,
99.6613

Harmonies

Analogous

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



41.1533, 24.3160, 89.3210



48.8800, 24.3160, 42.1616



48.3741, 24.3160, 13.0921

Triad

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



48.8800, 24.3160, 42.1616



17.7810, 24.3160, 0.7078



11.8367, 24.3160, 94.8546

Complementary

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



48.8800, 24.3160, 42.1616



37.2482, 72.1154, 19.7528

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.



8.6563, 24.3160, 46.8140



48.8800, 24.3160, 42.1616



11.3059, 24.3160, 3.3134

Square

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



48.8800, 24.3160, 42.1616



28.0836, 24.3160, 0.6108



8.4972, 24.3160, 15.2613



18.7641, 24.3160, 132.1600

Rectangle

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



48.8800, 24.3160, 42.1616



43.3978, 24.3160, 4.7674



8.4972, 24.3160, 15.2613



10.3995, 24.3160, 78.2871

Sweetspot

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



48.8807, 24.3173, 42.1620



71.6407, 59.0524, 82.9976



21.4261, 8.9614, 95.2082



14.7902, 11.7153, 17.0799



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.



48.8807, 24.3173, 42.1620



48.8782, 24.3153, 42.1520



41.7497, 21.4649, 4.6108



18.5327, 18.1964, 21.4221



25.6108, 12.7336, 22.3985



2.5433, 1.2597, 2.4425

Inverse Universe

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



48.8807, 24.3173, 42.1620



48.8782, 24.3153, 42.1520



47.1781, 76.0873, 72.0428



18.5327, 18.1964, 21.4221



25.6108, 12.7336, 22.3985



2.5433, 1.2597, 2.4425

Previews

White Background



This preview shows how the XYZ color 48.8800, 24.3160, 42.1616 looks on a white background.

Color Contrast Check

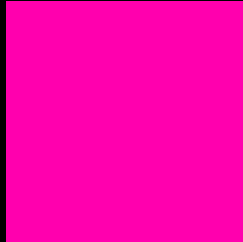
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8800, 24.3160, 42.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

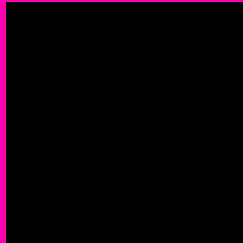
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.8800, 24.3160, 42.1616

Background



This preview shows how black text looks on a background with the XYZ color 48.8800, 24.3160, 42.1616.



This preview shows how white text looks on a background with the XYZ color 48.8800, 24.3160,

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

48.8800, 24.3160, 42.1616

Protanopia

28.6391, 25.2578, 92.1727

Deuteranopia

25.2256, 24.7021, 37.6209



Tritanopia

42.0092, 24.6806, 8.6806

Trichromacy



Original Color

48.8800, 24.3160, 42.1616



Protanomaly

27.8012, 17.6467, 70.3475



Deuteranomaly

28.9538, 18.9535, 38.2087



Tritanomaly

43.4447, 23.4147, 16.6977

Monochromacy



Original Color

48.8800, 24.3160, 42.1616



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.6333, 11.6627, 20.3378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8800, 24.3160, 42.1616 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(255, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 174)  
}
```

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(255, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 174) }
```

Border

The CSS property to change the border of an element to XYZ 48.8800, 24.3160, 42.1616 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(255, 0, 174) }
```


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

```
.border{ border-color:rgb(255, 0, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8800, 24.3160, 42.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 174) }
```

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

```
.background{ background-color: rgb(255, 0,  
174) }
```

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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