

Converting Colors

XYZ(48.6315, 24.2166, 40.8533)

Have a look what the booklet for
XYZ(48.6315, 24.2166, 40.8533)
contains.

XYZ(48.5907, 24.2003, 40.6382)	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(48.5907, 24.2003,
40.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00AB
RGB	255, 0, 171
RGB Percent	100%, 0%, 67%
CMY	0.0000, 0.9998, 0.3294
CMYK	0.00, 1.00, 0.33, 0.00
HSL	320°, 100%, 50%
HSV	320°, 100%, 100%
XYZ	48.5907, 24.2003, 40.6382
YIQ	95.7390, 97.0890, 107.2410

Conversions

Conversions Part 2

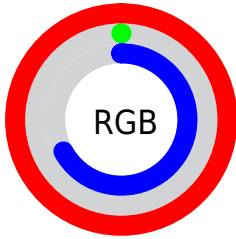
Format	Color
R_{YB}	255, 0, 171
Decimal	16711851
CIE _{Lab}	56.29, 88.21, -19.36
CIE _{LCh}	56, 90.314, 347.620
Yxy	24.2003, 0.4284, 0.2134
Android (android.graphics.Color)	4294901931 (0xFFFF00AB)
YUV	95.7390, 37.1037, 139.6719
Hunter-Lab	49.1938, 90.2225, -14.5428

Details

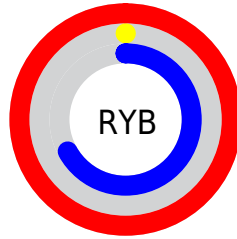
The XYZ color **48.5907, 24.2003, 40.6382** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.3634, 72.1615, 20.3594**, and the grayscale version is **10.9602, 11.5310, 12.5573**.

A 20% lighter version of the original color is **59.6211, 36.0583, 75.7691**, and **25.0680, 12.5384, 18.5517** is the 20% darker color. If you saturate the color by 10%, you get **48.5888, 24.1995, 40.6281**, and if you desaturate by 10%, it is **49.7772, 25.2505, 45.1118**.

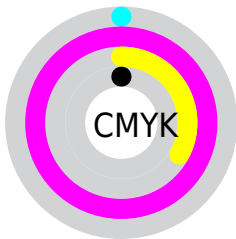
Distribution



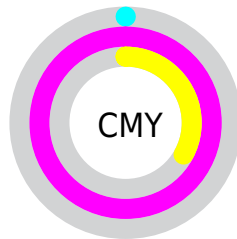
- Red (100%)
- Green (0%)
- Blue (67%)



- Red (100%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5907, 24.2003, 40.6382 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 48.5907, 24.2003, 40.6382 by changing the saturation by 10% instead.


 48.5907, 24.2003,
40.6382

 48.5907, 24.2003,
40.6382

371.6725,
273.8316, 364.4380

 34.5081, 15.4823,
27.7189


 87.2876, 50.3569,
77.3821


 23.4489, 9.1585,
17.8767


 112.6327, 68.5642,
102.0437


 15.0479, 4.8447,
10.6930

 142.4626, 90.7034,
131.4566

 8.9395, 2.1565,
5.7492

 177.1427,
117.1589, 166.0392

 4.7586, 0.6961,
2.6269

 217.0384,
148.3151, 206.2101

 2.1396, 0.0000,
0.9063

262.5150,

 0.7106, 0.0000,

184.5563, 252.3878

0.0000

313.9380,
226.2670, 304.9909

■ 0.0000, 0.0000,
0.0000

■ 48.5907, 24.2003,
40.6382

■ 48.5907, 24.2003,
40.6382

■ 48.5888, 24.1995,
40.6281

■ 49.7772, 25.2505,
45.1118

■ 51.4826, 27.2555,
50.0139

■ 53.8506, 30.5016,
55.3969

■ 56.9697, 35.1638,
61.2947

■ 60.9137, 41.3889,
67.7361

■ 65.7475, 49.3052,
74.7466

■ 71.5293, 59.0276,
82.3498

■ 78.3120, 70.6609,
90.5671

■ 86.1447, 84.3019,
99.4188

Harmonies

Analogous

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



41.1655, 24.2003, 86.8905



48.5907, 24.2003, 40.6382



47.8158, 24.2003, 12.5361

Triad

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



48.5907, 24.2003, 40.6382



17.4630, 24.2003, 0.7670



11.9823, 24.2003, 95.3542

Complementary

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



48.5907, 24.2003, 40.6382



37.3634, 72.1615, 20.3594

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.



8.7200, 24.2003, 47.7704



48.5907, 24.2003, 40.6382



11.1646, 24.2003, 3.5276

Square

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



48.5907, 24.2003, 40.6382



27.5620, 24.2003, 0.6176



8.4745, 24.2003, 15.8779



18.9743, 24.2003, 131.2433

Rectangle

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



48.5907, 24.2003, 40.6382



42.7599, 24.2003, 4.5700



8.4745, 24.2003, 15.8779



10.5179, 24.2003, 79.0628

Sweetspot

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



48.5914, 24.2016, 40.6386



71.5141, 59.0017, 82.3306



21.4262, 8.9615, 95.2082



14.7599, 11.7032, 16.9204



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.



48.5914, 24.2016, 40.6386



48.5888, 24.1995, 40.6281



41.7497, 21.4650, 4.6110



18.5232, 18.1926, 21.3724



25.4606, 12.6735, 21.6076



2.5295, 1.2542, 2.3698

Inverse Universe

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



48.5914, 24.2016, 40.6386



48.5888, 24.1995, 40.6281



47.1781, 76.0873, 72.0430



18.5232, 18.1926, 21.3724



25.4606, 12.6735, 21.6076



2.5295, 1.2542, 2.3698

Previews

White Background



This preview shows how the XYZ color 48.5907, 24.2003, 40.6382 looks on a white background.

Color Contrast Check

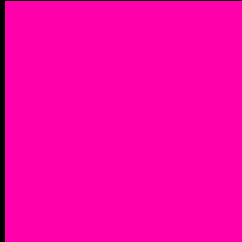
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5907, 24.2003, 40.6382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

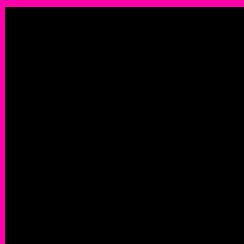
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.5907, 24.2003, 40.6382

Background



This preview shows how black text looks on a background with the XYZ color 48.5907, 24.2003, 40.6382.



This preview shows how white text looks on a background with the XYZ color 48.5907, 24.2003,

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

48.5907, 24.2003, 40.6382

Protanopia

28.2839, 25.1457, 88.9508

Deuteranopia

25.1268, 24.6815, 36.2406



Tritanopia

41.8840, 24.5329, 8.3221

Trichromacy



Original Color

48.5907, 24.2003, 40.6382



Protanomaly

27.6269, 17.6177, 67.5901



Deuteranomaly

28.9154, 18.9651, 36.7870



Tritanomaly

43.3014, 23.2985, 16.1247

Monochromacy



Original Color

48.5907, 24.2003, 40.6382



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.5703, 11.6376, 20.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5907, 24.2003, 40.6382 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 48.5907, 24.2003, 40.6382 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, 171) }
```


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

```
.border{ border-color:rgb(255, 0, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5907, 24.2003, 40.6382 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, 171) }
```

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

```
.background{ background-color: rgb(255, 0,  
171) }
```

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