

Converting Colors

XYZ(48.8943, 24.1078, 51.9000)

Have a look what the booklet for
XYZ(48.8943, 24.1078, 51.9000)
contains.

XYZ(48.9388, 24.1298, 51.9473)	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(48.9388, 24.1298,
51.9473)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00C0
RGB	250, 0, 192
RGB Percent	98%, 0%, 75%
CMY	0.0196, 0.9998, 0.2471
CMYK	0.00, 1.00, 0.23, 0.02
HSL	314°, 100%, 49%
HSV	314°, 100%, 98%
XYZ	48.9388, 24.1298, 51.9473
YIQ	96.6380, 87.3680, 112.7120

Conversions

Conversions Part 2

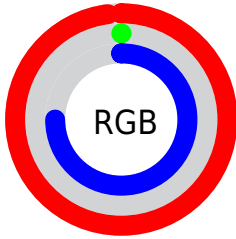
Format	Color
R _Y B	250, 0, 192
Decimal	16384192
CIE Lab	56.22, 89.47, -31.76
CIE LCh	56, 94.941, 340.453
Yxy	24.1298, 0.3915, 0.1930
Android (android.graphics.Color)	4294574272 (0xFFFA00C0)
YUV	96.6380, 47.0135, 134.4985
Hunter-Lab	49.1221, 91.8703, -28.3145

Details

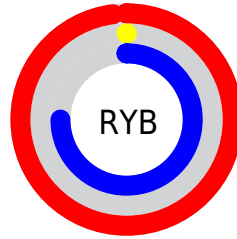
The XYZ color **48.9388, 24.1298, 51.9473** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.9516, 68.6780, 15.4245**, and the grayscale version is **11.1552, 11.7361, 12.7807**.

A 20% lighter version of the original color is **62.9926, 37.4069, 93.5227**, and **25.3265, 12.5263, 25.1277** is the 20% darker color. If you saturate the color by 10%, you get **48.9376, 24.1293, 51.9400**, and if you desaturate by 10%, it is **49.9435, 25.0898, 55.5167**.

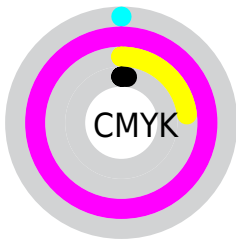
Distribution



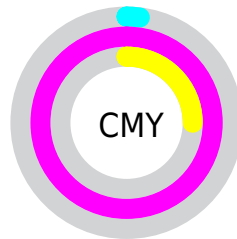
- Red (98%)
- Green (0%)
- Blue (75%)



- Red (98%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9388, 24.1298, 51.9473 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 48.9388, 24.1298, 51.9473 by changing the saturation by 10% instead.


 48.9388, 24.1298,
51.9473


 48.9388, 24.1298,
51.9473

373.0223,
273.4760, 411.1843


 34.7853, 15.4299,
36.5811


 87.8018, 50.2419,
94.4793


 23.6633, 9.1217,
24.5901

 113.2420, 68.4230,
122.4822


 15.2074, 4.8206,
15.5557


 143.1752, 90.5332,
155.5344

 9.0523, 2.1424,
9.0594

 177.9666,
116.9571, 194.0545

 4.8327, 0.6883,
4.6826

 217.9817,
148.0789, 238.4610

 2.1832, 0.0000,
2.0068

263.5857,

 0.7339, 0.0000,

184.2830, 289.1724

0.5595

315.1442,
225.9540, 346.6073

■ 0.0000, 0.0000,
0.0000

■ 48.9388, 24.1298,
51.9473

■ 48.9388, 24.1298,
51.9473

■ 48.9376, 24.1293,
51.9400

■ 49.9435, 25.0898,
55.5167

■ 51.4190, 26.9507,
59.3693

■ 53.5032, 29.9873,
63.5526

■ 56.2793, 34.3660,
68.0956

■ 59.8173, 40.2263,
73.0232

■ 64.1785, 47.6901,
78.3569

■ 69.4177, 56.8668,
84.1163

■ 75.5849, 67.8559,
90.3195

■ 82.7263, 80.7494,
96.9830

Harmonies

Analogous

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



39.4225, 24.1298, 103.6713



48.9388, 24.1298, 51.9473



50.3800, 24.1298, 16.8082

Triad

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



48.9388, 24.1298, 51.9473



19.3341, 24.1298, 0.2490



10.3856, 24.1298, 87.7403

Complementary

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



48.9388, 24.1298, 51.9473



34.9516, 68.6780, 15.4245

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.



7.8687, 24.1298, 38.7552



48.9388, 24.1298, 51.9473



11.8357, 24.1298, 1.9436

Square

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



48.9388, 24.1298, 51.9473



30.6966, 24.1298, 0.5214



8.2984, 24.1298, 10.8588



16.6056, 24.1298, 133.3525

Rectangle

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



48.9388, 24.1298, 51.9473



46.1978, 24.1298, 6.0680



8.2984, 24.1298, 10.8588



9.1840, 24.1298, 70.0219

Sweetspot

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



48.9396, 24.1311, 51.9477



72.5824, 59.4291, 87.9563



18.7886, 7.6935, 90.9377



15.0163, 11.8057, 18.2703



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.



48.9396, 24.1311, 51.9477



51.1841, 25.2376, 54.2948



40.5584, 20.7786, 7.8130



17.8106, 17.4516, 20.8585



26.0159, 12.8221, 27.8561



2.4499, 1.2037, 2.7924

Inverse Universe

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



48.9396, 24.1311, 51.9477



51.1841, 25.2376, 54.2948



42.3417, 71.6340, 54.3399



17.8106, 17.4516, 20.8585



26.0159, 12.8221, 27.8561



2.4499, 1.2037, 2.7924

Previews

White Background



This preview shows how the XYZ color 48.9388, 24.1298, 51.9473 looks on a white background.

Color Contrast Check

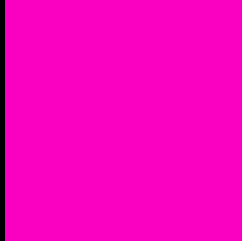
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.9388, 24.1298, 51.9473 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 48.9388, 24.1298, 51.9473

Background



This preview shows how black text looks on a background with the XYZ color 48.9388, 24.1298, 51.9473.



This preview shows how white text looks on a background with the XYZ color 48.9388, 24.1298,

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

48.9388, 24.1298, 51.9473

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.2208, 24.7055, 46.6194



Tritanopia

40.3080, 24.4488, 10.1840

Trichromacy



Original Color

48.9388, 24.1298, 51.9473



Protanomaly

27.7275, 17.3177, 78.2252



Deuteranomaly

28.4778, 18.5037, 47.4180



Tritanomaly

41.8164, 22.7275, 20.2720

Monochromacy



Original Color

48.9388, 24.1298, 51.9473



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.0244, 11.8835, 23.1208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9388, 24.1298, 51.9473 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(250, 0, 192)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 192)  
}
```

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(250, 0, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 192) }
```

Border

The CSS property to change the border of an element to XYZ 48.9388, 24.1298, 51.9473 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(250, 0, 192) }
```


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

```
.border{ border-color:rgb(250, 0, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 192);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9388, 24.1298, 51.9473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 192) }
```

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

```
.background{ background-color: rgb(250, 0,  
192) }
```

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