

Converting Colors

XYZ(49.6838, 23.8394, 87.5708)

Have a look what the booklet for
XYZ(49.6838, 23.8394, 87.5708)
contains.

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Color

**XYZ(49.6838, 23.8394,
87.5708)**

Conversions

Conversions Part 1

Format	Color
Hex	E807F4
RGB	232, 7, 244
RGB Percent	91%, 3%, 96%
CMY	0.0902, 0.9724, 0.0431
CMYK	0.05, 0.97, 0.00, 0.04
HSL	297°, 94%, 49%
HSV	297°, 97%, 96%
XYZ	49.6838, 23.8394, 87.5708
YIQ	101.2930, 58.0230, 121.4070

Conversions

Conversions Part 2

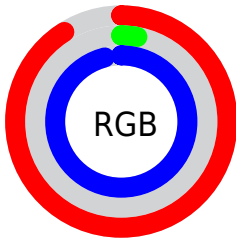
Format	Color
RYB	232, 7, 244
Decimal	15206388
CIELab	55.93, 92.75, -61.98
CIELCh	56, 111.551, 326.245
Yxy	23.8394, 0.3084, 0.1480
Android (android.graphics.Color)	4293396468 (0xFFE807F4)
YUV	101.2930, 70.3546, 114.6300
Hunter-Lab	48.8256, 96.1926, -72.1612

Details

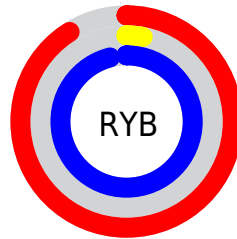
The XYZ color **49.6838, 23.8394, 87.5708** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **32.6585, 64.8558, 10.9991**, and the grayscale version is **12.2641, 12.9028, 14.0511**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **25.7642, 12.2458, 48.0195** is the 20% darker color. If you saturate the color by 10%, you get **49.4930, 23.6282, 87.5404**, and if you desaturate by 10%, it is **50.5124, 24.8981, 87.7318**.

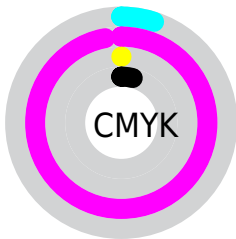
Distribution



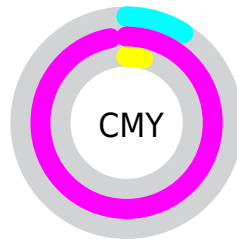
- Red (91%)
- Green (3%)
- Blue (96%)



- Red (91%)
- Yellow (3%)
- Blue (96%)



- Cyan (5%)
- Magenta (97%)
- Yellow (0%)
- Black (4%)





- Cyan (9%)
- Magenta (97%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6838, 23.8394, 87.5708 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 49.6838, 23.8394, 87.5708 by changing the saturation by 10% instead.

 49.6838, 23.8394,
87.5708


 49.6838, 23.8394,
87.5708

375.9006,
272.0075, 540.4615


 35.3790, 15.2145,
65.4054


 88.9008, 49.7680,
145.8654


 24.1228, 8.9701,
47.3364


 114.5438, 67.8405,
182.8315

 15.5500, 4.7217,
32.9454


 144.6968, 89.8310,
225.5684

 9.2951, 2.0849,
21.8139

 179.7252,
116.1240, 274.4944

 4.9928, 0.6561,
13.5232

 219.9945,
147.1037, 330.0282

 2.2778, 0.0000,
7.6549

265.8699,

 0.7832, 0.0000,

183.1546, 392.5883

3.7903

317.7168,
224.6611, 462.5932

■ 0.0000, 0.0000,
1.5110

■ 0.0000, 0.0000,
0.2261

■ 49.6838, 23.8394,
87.5708

■ 49.6838, 23.8394,
87.5708

■ 49.4930, 23.6282,
87.5404

■ 50.5124, 24.8981,
87.7318

■ 51.8224, 26.9165,
88.0524

■ 53.7103, 30.0863,
88.5647

■ 56.2498, 34.5553,
89.2934

■ 59.5041, 40.4494,
90.2596

■ 63.5284, 47.8795,
91.4817

■ 68.3730, 56.9458,
92.9763

■ 74.0835, 67.7398,
94.7588

■ 80.7024, 80.3463,
96.8432

Harmonies

Analogous

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



35.2867, 23.8394, 153.0998



49.6838, 23.8394, 87.5708



56.8756, 23.8394, 30.8193

Triad

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



49.6838, 23.8394, 87.5708



24.2982, 23.8394, 0.0000



7.0396, 23.8394, 70.8884

Complementary

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



49.6838, 23.8394, 87.5708



32.6585, 64.8558, 10.9991

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.



5.9667, 23.8394, 21.6352



49.6838, 23.8394, 87.5708



13.4724, 23.8394, 0.0000

Square

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



49.6838, 23.8394, 87.5708



39.1465, 23.8394, 0.2572



7.8002, 23.8394, 3.2484



11.6046, 23.8394, 138.6093

Rectangle

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



49.6838, 23.8394, 87.5708



55.1858, 23.8394, 10.8788



7.8002, 23.8394, 3.2484



6.3545, 23.8394, 50.8976

Sweetspot

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



49.6848, 23.8405, 87.5713



74.4598, 60.8448, 102.4275



16.7203, 7.1832, 86.0935



15.4397, 12.0909, 21.7700



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.



49.6848, 23.8405, 87.5713



54.6982, 26.1129, 96.7651



42.2159, 21.3183, 27.2122



17.1259, 16.7230, 20.8678



26.9476, 12.8663, 47.6012



2.3934, 1.1437, 4.1848

Inverse Universe

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



37.5025, 19.4330, 2.3919



41.3121, 21.2888, 2.3096



35.2381, 65.8667, 25.5282



16.5331, 16.4961, 17.2881



20.3378, 10.4786, 1.2213



1.7992, 0.9257, 0.1691

Previews

White Background



This preview shows how the XYZ color 49.6838, 23.8394, 87.5708 looks on a white background.

Color Contrast Check

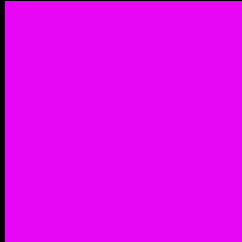
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6838, 23.8394, 87.5708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

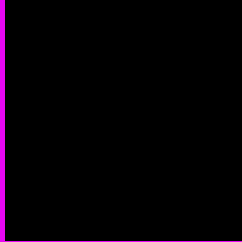
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.6838, 23.8394, 87.5708

Background



This preview shows how black text looks on a background with the XYZ color 49.6838, 23.8394, 87.5708.



This preview shows how white text looks on a background with the XYZ color 49.6838, 23.8394,

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

49.6838, 23.8394, 87.5708

Protanopia

28.2807, 24.5426, 97.8544

Deuteranopia

25.1938, 24.4237, 77.5151



Tritanopia

34.9000, 23.9240, 15.3487

Trichromacy



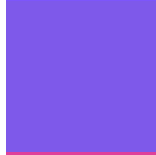
Original Color

49.6838, 23.8394, 87.5708



Protanomaly

29.1978, 17.9806, 93.1985



Deuteranomaly

27.0278, 17.5209, 79.7992



Tritanomaly

37.7903, 21.5295, 32.7357

Monochromacy



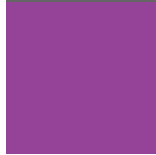
Original Color

49.6838, 23.8394, 87.5708



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

20.1514, 12.7038, 31.5270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6838, 23.8394, 87.5708 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(232, 7, 244)` looks like.

```
.text, #text, p{  
    color:rgb(232, 7, 244)  
}
```

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(232, 7, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 7, 244) }
```

Border

The CSS property to change the border of an element to XYZ 49.6838, 23.8394, 87.5708 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(232, 7, 244) }
```


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

```
.border{ border-color:rgb(232, 7, 244) }
```

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

Here you see how a box with a 4 pixel rgb(232, 7, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 7, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 7, 244);  
box-shadow:4px 4px 4px 4px rgb(232, 7,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6838, 23.8394, 87.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 7, 244) }
```

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

```
.background{ background-color: rgb(232, 7,  
244) }
```

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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