

Converting Colors

XYZ(48.2764, 23.3508, 71.6801)

Have a look what the booklet for
XYZ(48.2764, 23.3508, 71.6801)
contains.

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Color

**XYZ(48.2443, 23.3322,
71.7728)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00DF
RGB	237, 0, 223
RGB Percent	93%, 0%, 87%
CMY	0.0706, 0.9998, 0.1255
CMYK	0.00, 1.00, 0.06, 0.07
HSL	304°, 100%, 46%
HSV	304°, 100%, 93%
XYZ	48.2443, 23.3322, 71.7728
YIQ	96.2850, 69.6690, 119.5970

Conversions

Conversions Part 2

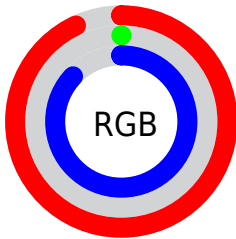
Format	Color
R _Y B	237, 0, 223
Decimal	15532255
CIE _{Lab}	55.41, 91.03, -50.93
CIE _{LCh}	55, 104.313, 330.773
Yxy	23.3322, 0.3366, 0.1628
Android (android.graphics.Color)	4293722335 (0xFFED00DF)
YUV	96.2850, 62.4705, 123.4071
Hunter-Lab	48.3034, 93.7506, -54.2851

Details

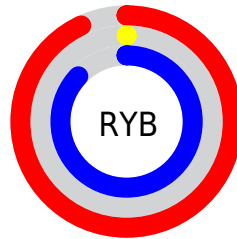
The XYZ color **48.2443, 23.3322, 71.7728** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.3646, 60.6011, 10.5137**, and the grayscale version is **11.0343, 11.6090, 12.6422**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.8795, 12.0201, 37.5680** is the 20% darker color. If you saturate the color by 10%, you get **48.2445, 23.3323, 71.7714**, and if you desaturate by 10%, it is **48.7557, 24.0509, 72.8788**.

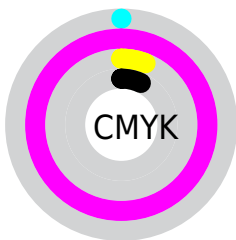
Distribution



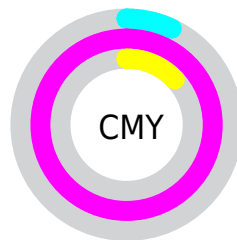
- Red (93%)
- Green (0%)
- Blue (87%)



- Red (93%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2443, 23.3322, 71.7728 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 48.2443, 23.3322, 71.7728 by changing the saturation by 10% instead.

 48.2443, 23.3322,
71.7728


 48.2443, 23.3322,
71.7728

370.3262,
269.4267, 485.7067


 34.2324, 14.8390,
52.4874


 86.7755, 48.9382,
123.4382


 23.2360, 8.7065,
37.0088


 112.0256, 66.8198,
156.6552


 14.8895, 4.5502,
24.9185


 141.7525, 88.5997,
195.3532

 8.8277, 1.9859,
15.7979

 176.3215,
114.6622, 239.9508

 4.6852, 0.5992,
9.2284

 216.0980,
145.3918, 290.8663

 2.0966, 0.0000,
4.7916

261.4474,

 0.6874, 0.0000,

181.1728, 348.5185

2.0689

312.7350,
222.3896, 413.3257

■ 0.0000, 0.0000,
0.5972

■ 0.0000, 0.0000,
0.0000

■ 48.2443, 23.3322,
71.7728

■ 48.2443, 23.3322,
71.7728

■ 48.2445, 23.3323,
71.7714

■ 48.7557, 24.0509,
72.8788

■ 49.6598, 25.5532,
74.1233

■ 51.0806, 28.0862,
75.5477

■ 53.0906, 31.7953,
77.1764

■ 55.7509, 36.8025,
79.0295

■ 59.1150, 43.2147,
81.1251

■ 63.2307, 51.1275,
83.4790

■ 68.1417, 60.6284,
86.1058

■ 73.8883, 71.7980,
89.0191

Harmonies

Analogous

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



35.8272, 23.3322, 131.0653



48.2443, 23.3322, 71.7728



53.2219, 23.3322, 24.5440

Triad

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



48.2443, 23.3322, 71.7728



21.8739, 23.3322, 0.0000



7.8981, 23.3322, 74.8290

Complementary

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



48.2443, 23.3322, 71.7728



30.3646, 60.6011, 10.5137

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.



6.4090, 23.3322, 26.2855



48.2443, 23.3322, 71.7728



12.5259, 23.3322, 0.4134

Square

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



48.2443, 23.3322, 71.7728



35.1071, 23.3322, 0.3151



7.7463, 23.3322, 5.1209



12.8891, 23.3322, 133.6822

Rectangle

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



48.2443, 23.3322, 71.7728



50.6414, 23.3322, 8.6963



7.7463, 23.3322, 5.1209



7.0703, 23.3322, 55.8749

Sweetspot

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



48.2452, 23.3333, 71.7732



74.5908, 60.2324, 98.5323



15.4367, 6.1927, 80.5034



15.5024, 12.0002, 20.8303



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.



48.2452, 23.3333, 71.7732



56.9583, 27.5473, 84.7013



37.5625, 19.0603, 15.5190



15.6741, 15.2975, 18.8353



26.3569, 12.7454, 39.2763



2.0814, 1.0055, 3.1458

Inverse Universe

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



48.2452, 23.3333, 71.7732



56.9583, 27.5473, 84.7013



34.3391, 62.1910, 31.4432



15.6741, 15.2975, 18.8353



26.3569, 12.7454, 39.2763



2.0814, 1.0055, 3.1458

Previews

White Background



This preview shows how the XYZ color 48.2443, 23.3322, 71.7728 looks on a white background.

Color Contrast Check

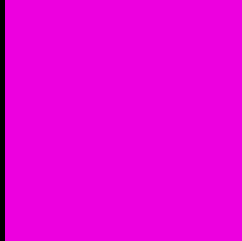
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2443, 23.3322, 71.7728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

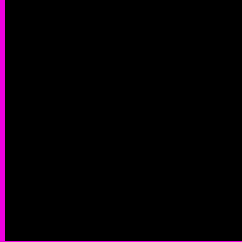
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.2443, 23.3322, 71.7728

Background



This preview shows how black text looks on a background with the XYZ color 48.2443, 23.3322, 71.7728.



This preview shows how white text looks on a background with the XYZ color 48.2443, 23.3322,

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

48.2443, 23.3322, 71.7728

Protanopia

28.0192, 24.2094, 97.8038

Deuteranopia

24.6498, 24.0333, 63.6613



Tritanopia

36.2060, 23.6171, 13.0062

Trichromacy



Original Color

48.2443, 23.3322, 71.7728



Protanomaly

27.8751, 17.0932, 86.6242



Deuteranomaly

27.2402, 17.4630, 65.5533



Tritanomaly

38.4609, 21.3798, 26.9105

Monochromacy



Original Color

48.2443, 23.3322, 71.7728



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.5839, 11.4935, 26.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2443, 23.3322, 71.7728 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(237, 0, 223)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 223)  
}
```

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(237, 0, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 223) }
```

Border

The CSS property to change the border of an element to XYZ 48.2443, 23.3322, 71.7728 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(237, 0, 223) }
```


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

```
.border{ border-color:rgb(237, 0, 223) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2443, 23.3322, 71.7728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 223) }
```

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

```
.background{ background-color: rgb(237, 0,  
223) }
```

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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