

Converting Colors

XYZ(49.9992, 23.9445, 92.4284)

Have a look what the booklet for
XYZ(49.9992, 23.9445, 92.4284)
contains.

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Color

**XYZ(49.9970, 23.9422,
92.4287)**

Conversions

Conversions Part 1

Format	Color
Hex	E60AFA
RGB	230, 10, 250
RGB Percent	90%, 4%, 98%
CMY	0.0980, 0.9607, 0.0196
CMYK	0.08, 0.96, 0.00, 0.02
HSL	295°, 96%, 51%
HSV	295°, 96%, 98%
XYZ	49.9970, 23.9422, 92.4287
YIQ	103.1400, 54.0800, 121.2800

Conversions

Conversions Part 2

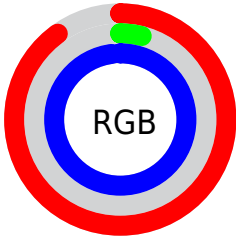
Format	Color
R _{YB}	230, 10, 250
Decimal	15076090
CIE _{Lab}	56.03, 93.15, -65.18
CIE _{LCh}	56, 113.687, 325.017
Yxy	23.9422, 0.3005, 0.1439
Android (android.graphics.Color)	4293266170 (0xFFE60AFA)
YUV	103.1400, 72.4020, 111.2562
Hunter-Lab	48.9308, 96.7608, -77.7454

Details

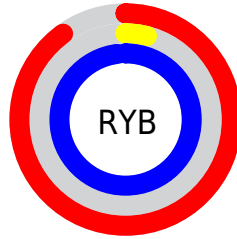
The XYZ color **49.9970, 23.9422, 92.4287** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.7770, 68.6700, 11.7098**, and the grayscale version is **12.7389, 13.4023, 14.5951**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **25.8766, 12.2408, 50.8680** is the 20% darker color. If you saturate the color by 10%, you get **49.6215, 23.5875, 92.3804**, and if you desaturate by 10%, it is **51.1638, 25.2762, 92.6250**.

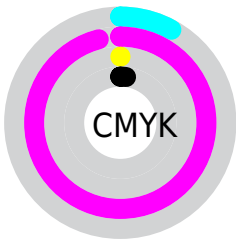
Distribution



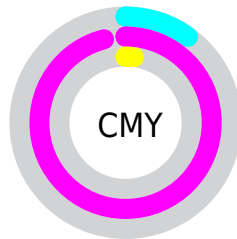
- Red (90%)
- Green (4%)
- Blue (98%)



- Red (90%)
- Yellow (4%)
- Blue (98%)



- Cyan (8%)
- Magenta (96%)
- Yellow (0%)
- Black (2%)





- Cyan (10%)
- Magenta (96%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9970, 23.9422, 92.4287 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 49.9970, 23.9422, 92.4287 by changing the saturation by 10% instead.


 49.9970, 23.9422,
92.4287


 49.9970, 23.9422,
92.4287

377.1064,
272.5281, 556.6727


 35.6288, 15.2908,
69.4117

 89.3623, 49.9359,
152.6723


 24.3164, 9.0237,
50.5733


 115.0901, 68.0469,
190.7360


 15.6945, 4.7566,
35.4947


 145.3351, 90.0798,
234.6523

 9.3977, 2.1052,
23.7576

 180.4627,
116.4192, 284.8398

 5.0607, 0.6675,
14.9434

 220.8383,
147.4493, 341.7171

 2.3180, 0.0000,
8.6335

266.8272,

 0.8039, 0.0000,

183.5546, 405.7026

4.4094

318.7948,
225.1194, 477.2150

■ 0.0000, 0.0000,
1.8525

■ 0.0000, 0.0000,
0.4623

■ 49.9970, 23.9422,
92.4287

■ 49.9970, 23.9422,
92.4287

■ 49.6215, 23.5875,
92.3804

■ 51.1638, 25.2762,
92.6250

■ 52.8601, 27.6582,
92.9954

■ 55.1823, 31.2802,
93.5721

■ 58.2075, 36.2961,
94.3809

62.0015, 42.8376,
95.4435

66.6224, 51.0210,
96.7795

72.1229, 60.9514,
98.4064

78.5512, 72.7251,
100.3401

85.9518, 86.4314,
102.5957

Harmonies

Analogous

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



35.0490, 23.9422, 159.6454



49.9970, 23.9422, 92.4287



57.8493, 23.9422, 32.7957

Triad

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



49.9970, 23.9422, 92.4287



24.9977, 23.9422, 0.0000



6.7887, 23.9422, 69.5768

Complementary

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



49.9970, 23.9422, 92.4287



34.7770, 68.6700, 11.7098

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.



5.8326, 23.9422, 20.3314



49.9970, 23.9422, 92.4287



13.7375, 23.9422, 0.0000

Square

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



49.9970, 23.9422, 92.4287



40.3083, 23.9422, 0.2417



7.8050, 23.9422, 2.7965



11.2223, 23.9422, 139.7203

Rectangle

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



49.9970, 23.9422, 92.4287



56.4467, 23.9422, 11.5712



7.8050, 23.9422, 2.7965



6.1443, 23.9422, 49.3663

Sweetspot

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



49.9981, 23.9433, 92.4292



73.5930, 60.3979, 102.3869



17.9538, 8.1126, 91.0625



15.2277, 11.9816, 21.7600



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.



49.9981, 23.9433, 92.4292



51.8993, 24.6700, 96.6341



45.3672, 22.8754, 32.6017



17.8420, 17.4467, 21.8125



26.3806, 12.5424, 49.0041



2.4842, 1.1827, 4.5405

Inverse Universe

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



39.7681, 20.6357, 3.1174



41.3777, 21.3151, 2.6551



36.9138, 69.4773, 25.1057



17.3033, 17.2487, 18.1870



21.0034, 10.8171, 1.4604



1.9647, 1.0096, 0.2378

Previews

White Background



This preview shows how the XYZ color 49.9970, 23.9422, 92.4287 looks on a white background.

Color Contrast Check

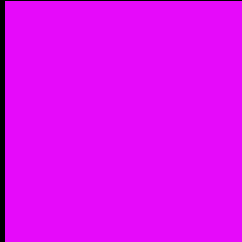
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.9970, 23.9422, 92.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

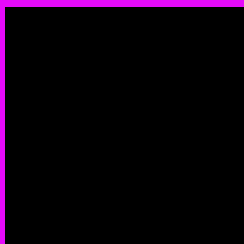
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.9970, 23.9422, 92.4287

Background



This preview shows how black text looks on a background with the XYZ color 49.9970, 23.9422, 92.4287.



This preview shows how white text looks on a background with the XYZ color 49.9970, 23.9422,

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

49.9970, 23.9422, 92.4287

Protanopia

28.2807, 24.5426, 97.8544

Deuteranopia

25.4093, 24.6464, 82.0153



Tritanopia

34.3581, 23.9014, 16.1672

Trichromacy



Original Color

49.9970, 23.9422, 92.4287



Protanomaly

29.4500, 18.1933, 94.8880



Deuteranomaly

26.8054, 17.5553, 84.4138



Tritanomaly

37.3332, 21.4251, 34.5155

Monochromacy



Original Color

49.9970, 23.9422, 92.4287



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

20.5233, 13.0461, 32.8889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9970, 23.9422, 92.4287 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(230, 10, 250)` looks like.

```
.text, #text, p{  
    color:rgb(230, 10, 250)  
}
```

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(230, 10, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 10, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.9970, 23.9422, 92.4287 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(230, 10, 250) }
```


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

```
.border{ border-color:rgb(230, 10, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 10, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 10, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 10, 250);  
box-shadow:4px 4px 4px 4px rgb(230, 10,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9970, 23.9422, 92.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 10, 250) }
```

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

```
.background{ background-color: rgb(230, 10,  
250) }
```

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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