

Converting Colors

XYZ(43.0007, 23.2712, 49.8906)

Have a look what the booklet for
XYZ(43.0007, 23.2712, 49.8906)
contains.

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Color

**XYZ(42.8533, 23.2151,
49.7993)**

Conversions

Conversions Part 1

Format	Color
Hex	E539BC
RGB	229, 57, 188
RGB Percent	90%, 22%, 74%
CMY	0.1020, 0.7764, 0.2627
CMYK	0.00, 0.75, 0.18, 0.10
HSL	314°, 77%, 56%
HSV	314°, 75%, 90%
XYZ	42.8533, 23.2151, 49.7993
YIQ	123.3620, 60.4610, 77.2050

Conversions

Conversions Part 2

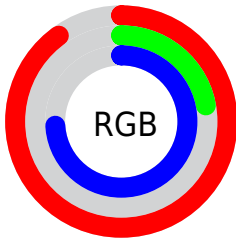
Format	Color
R _Y B	229, 57, 188
Decimal	15022524
CIE _{Lab}	55.29, 76.10, -31.17
CIE _{LCh}	55, 82.239, 337.724
Yxy	23.2151, 0.3698, 0.2004
Android (android.graphics.Color)	4293212604 (0xFFE539BC)
YUV	123.3620, 31.8665, 92.6445
Hunter-Lab	48.1821, 74.4400, -27.5527

Details

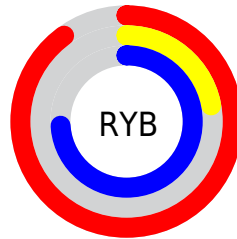
The XYZ color **42.8533, 23.2151, 49.7993** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **31.9125, 57.7912, 21.0308**, and the grayscale version is **18.8319, 19.8127, 21.5760**.

A 20% lighter version of the original color is **64.4379, 41.2855, 90.9589**, and **20.6653, 10.1562, 23.4254** is the 20% darker color. If you saturate the color by 10%, you get **41.3880, 21.2083, 46.4621**, and if you desaturate by 10%, it is **44.8524, 26.2532, 53.4246**.

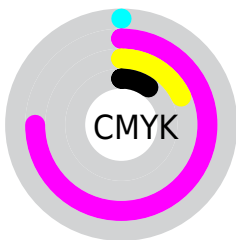
Distribution



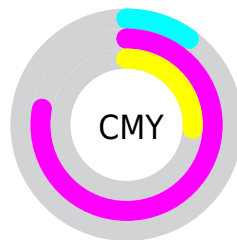
- Red (90%)
- Green (22%)
- Blue (74%)



- Red (90%)
- Yellow (22%)
- Blue (74%)



- Cyan (0%)
- Magenta (75%)
- Yellow (18%)
- Black (10%)





- Cyan (10%)
- Magenta (78%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8533, 23.2151, 49.7993 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 42.8533, 23.2151, 49.7993 by changing the saturation by 10% instead.


 42.8533, 23.2151,
49.7993

 42.8533, 23.2151,
49.7993


348.9399,
268.8279, 402.5931


 29.9641, 14.7524,
34.8839


 78.7465, 48.7463,
91.2707


 19.9592, 8.6458,
23.2906

 102.4812, 66.5836,
118.6637


 12.4735, 4.5109,
14.6009


 130.5618, 88.3145,
151.0531

 7.1415, 1.9633,
8.3963

 163.3535,
114.3235, 188.8573

 3.5979, 0.5860,
4.2582

 201.2219,
144.9949, 232.4948

 1.4773, 0.0000,
1.7680

244.5321,

 0.3103, 0.0000,

180.7132, 282.3843

0.4067

293.6497,
221.8627, 338.9442

■ 0.0000, 0.0000,
0.0000

■ 42.8533, 23.2151,
49.7993

■ 42.8533, 23.2151,
49.7993

■ 41.3880, 21.2083,
46.4621

■ 44.8524, 26.2532,
53.4246

■ 40.3794, 20.0799,
43.3856

■ 47.4441, 30.4407,
57.3584

■ 39.9933, 19.7301,
41.9546

■ 50.6817, 35.8837,
61.6196

■ 54.6118, 42.6751,
66.2249

■ 59.2767, 50.8989,
71.1897

64.7152, 60.6323,
76.5278

70.9632, 71.9471,
82.2525

78.0546, 84.9103,
88.3760

83.3787, 94.3003,
94.0292

Harmonies

Analogous

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



34.7763, 23.2151, 90.3899



42.8533, 23.2151, 49.7993



44.6867, 23.2151, 19.0531

Triad

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



42.8533, 23.2151, 49.7993



19.7689, 23.2151, 0.9676



10.8098, 23.2151, 70.7620

Complementary

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



42.8533, 23.2151, 49.7993



31.9125, 57.7912, 21.0308

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.



8.7545, 23.2151, 32.7278



42.8533, 23.2151, 49.7993



12.9040, 23.2151, 2.6379

Square

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



42.8533, 23.2151, 49.7993



29.4848, 23.2151, 1.3967



9.3967, 23.2151, 10.5104



16.0082, 23.2151, 107.2917

Rectangle

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



42.8533, 23.2151, 49.7993



41.7551, 23.2151, 8.2587



9.3967, 23.2151, 10.5104



9.8053, 23.2151, 56.9886

Sweetspot

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



42.8541, 23.2163, 49.7997



76.9389, 67.2499, 92.1591



20.5515, 11.1337, 75.1950



15.9660, 13.5019, 19.2141



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.



42.8541, 23.2163, 49.7997



52.0577, 26.1605, 57.1273



36.2188, 20.5622, 14.8589



14.8405, 14.5534, 17.3604



22.9153, 11.3003, 24.2466



1.7288, 0.8492, 1.9786

Inverse Universe

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



42.8541, 23.2163, 49.7997



52.0577, 26.1605, 57.1273



38.2689, 60.3337, 54.5029



14.8405, 14.5534, 17.3604



22.9153, 11.3003, 24.2466



1.7288, 0.8492, 1.9786

Previews

White Background



This preview shows how the XYZ color 42.8533, 23.2151, 49.7993 looks on a white background.

Color Contrast Check

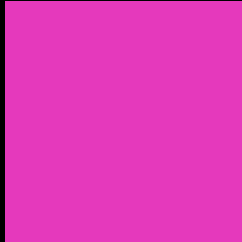
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8533, 23.2151, 49.7993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

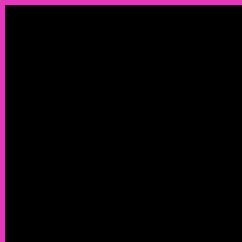
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8533, 23.2151, 49.7993

Background



This preview shows how black text looks on a background with the XYZ color 42.8533, 23.2151, 49.7993.



This preview shows how white text looks on a background with the XYZ color 42.8533, 23.2151,

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

42.8533, 23.2151, 49.7993

Protanopia

27.2373, 23.7555, 91.1454

Deuteranopia

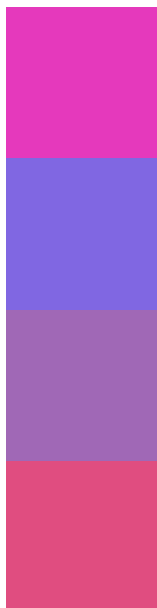
24.0373, 23.5119, 45.3908



Tritanopia

35.3289, 23.1598, 13.1979

Trichromacy



Original Color

42.8533, 23.2151, 49.7993

Protanomaly

27.4798, 19.7807, 74.3212

Deuteranomaly

27.8910, 20.7516, 46.7914

Tritanomaly

37.2906, 22.7136, 22.8408

Monochromacy



Original Color

42.8533, 23.2151, 49.7993

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

24.6286, 18.7116, 29.9174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8533, 23.2151, 49.7993 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(229, 57, 188)` looks like.

```
.text, #text, p{  
    color:rgb(229, 57, 188)  
}
```

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(229, 57, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 57, 188) }
```

Border

The CSS property to change the border of an element to XYZ 42.8533, 23.2151, 49.7993 is called "border". The border property can be set on classes, ids or directly on the HTML element.

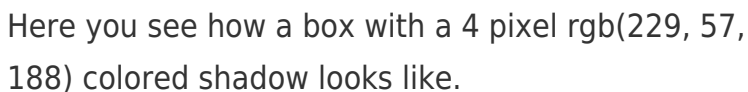
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 57, 188) }
```


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

```
.border{ border-color:rgb(229, 57, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 57, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 57, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 57, 188); box-shadow:4px 4px 4px 4px rgb(229, 57, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8533, 23.2151, 49.7993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 57, 188) }
```

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

```
.background{ background-color: rgb(229, 57,  
188) }
```

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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