

Converting Colors

XYZ(43.8445, 23.9237, 67.5133)

Have a look what the booklet for
XYZ(43.8445, 23.9237, 67.5133)
contains.

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Color

**XYZ(43.7433, 23.8403,
67.2619)**

Conversions

Conversions Part 1

Format	Color
Hex	DC40D8
RGB	220, 64, 216
RGB Percent	86%, 25%, 85%
CMY	0.1372, 0.7490, 0.1529
CMYK	0.00, 0.71, 0.02, 0.14
HSL	302°, 69%, 56%
HSV	302°, 71%, 86%
XYZ	43.7433, 23.8403, 67.2619
YIQ	127.9720, 44.1840, 80.3440

Conversions

Conversions Part 2

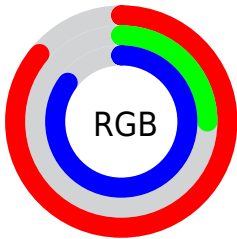
Format	Color
R _Y B	220, 64, 216
Decimal	14434520
CIE Lab	55.93, 76.00, -46.32
CIE LCh	56, 89.006, 328.640
Yxy	23.8403, 0.3244, 0.1768
Android (android.graphics.Color)	4292624600 (0xFFDC40D8)
YUV	127.9720, 43.3978, 80.7086
Hunter-Lab	48.8265, 74.4703, -47.4975

Details

The XYZ color **43.7433, 23.8403, 67.2619** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **28.7521, 52.6949, 14.1259**, and the grayscale version is **20.3532, 21.4132, 23.3189**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **21.0431, 10.1151, 34.1010** is the 20% darker color. If you saturate the color by 10%, you get **42.6658, 21.8011, 66.5436**, and if you desaturate by 10%, it is **45.3119, 26.8598, 68.1455**.

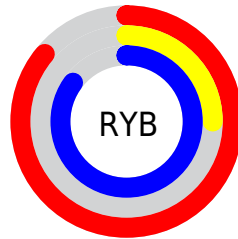
Distribution



Red (86%)

Green (25%)

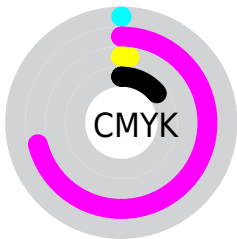
Blue (85%)



Red (86%)

Yellow (25%)

Blue (85%)

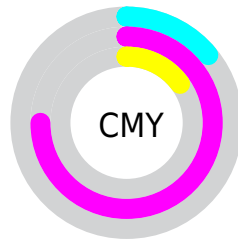


Cyan (0%)

Magenta (71%)

Yellow (2%)

Black (14%)



Cyan (14%)


Magenta (75%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7433, 23.8403, 67.2619 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 43.7433, 23.8403, 67.2619 by changing the saturation by 10% instead.

 43.7433, 23.8403,
67.2619


 43.7433, 23.8403,
67.2619

352.5297,
272.0121, 469.4033


 30.6658, 15.2152,
48.8346


 80.0801, 49.7695,
116.9398

 20.4951, 8.9706,
34.1236


 104.0701, 67.8423,
149.0275


 12.8658, 4.7220,
22.7104


 132.4282, 89.8332,
186.5057

 7.4125, 2.0851,
14.1765

 165.5200,
116.1265, 229.7929

 3.7700, 0.6562,
8.1034

 203.7106,
147.1067, 279.3077

 1.5729, 0.0000,
4.0725

247.3656,

 0.3746, 0.0000,

183.1581, 335.4687

1.6652

296.8501,
224.6651, 398.6944

■ 0.0000, 0.0000,
0.3367

■ 0.0000, 0.0000,
0.0000

■ 43.7433, 23.8403,
67.2619

■ 43.7433, 23.8403,
67.2619

■ 42.6658, 21.8011,
66.5436

■ 45.3119, 26.8598,
68.1455


■ 42.0152, 20.6162,
65.9686


■ 47.4202, 30.9591,
69.2101


■ 41.6991, 20.0893,
65.5387


■ 50.1141, 36.2292,
70.4711


■ 53.4338, 42.7504,
71.9419

 57.4160, 50.5962,
73.6348

 62.0945, 59.8343,
75.5611

 67.5010, 70.5278,
77.7312

 73.6648, 82.7358,
80.1551

 78.3373, 91.9605,
82.0831

Harmonies

Analogous

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



33.3595, 23.8403, 112.3978



43.7433, 23.8403, 67.2619



48.3049, 23.8403, 27.3076

Triad

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



43.7433, 23.8403, 67.2619



23.1259, 23.8403, 0.5206



9.4847, 23.8403, 63.0190

Complementary

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



43.7433, 23.8403, 67.2619



28.7521, 52.6949, 14.1259

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.



8.2131, 23.8403, 24.6537



43.7433, 23.8403, 67.2619



14.5337, 23.8403, 1.3159

Square

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



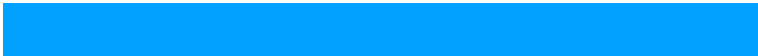
43.7433, 23.8403, 67.2619



34.4088, 23.8403, 1.5061



9.7463, 23.8403, 6.3828



13.9450, 23.8403, 108.9098

Rectangle

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



43.7433, 23.8403, 67.2619



46.6380, 23.8403, 11.8787



9.7463, 23.8403, 6.3828



8.7417, 23.8403, 48.2331

Sweetspot

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



43.7442, 23.8414, 67.2624



80.0613, 70.3753, 102.8168



17.0402, 10.0145, 68.7461



16.7859, 14.3720, 21.8597



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.



43.7442, 23.8414, 67.2624



59.1089, 29.5294, 92.5677



36.0393, 20.7594, 26.6889



13.5992, 13.2688, 16.4167



24.4792, 11.7927, 38.4988



1.5905, 0.7659, 2.5187

Inverse Universe

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



43.7442, 23.8414, 67.2624



59.1089, 29.5294, 92.5677



32.7888, 54.3096, 35.3830



13.5992, 13.2688, 16.4167



24.4792, 11.7927, 38.4988



1.5905, 0.7659, 2.5187

Previews

White Background



This preview shows how the XYZ color 43.7433, 23.8403, 67.2619 looks on a white background.

Color Contrast Check

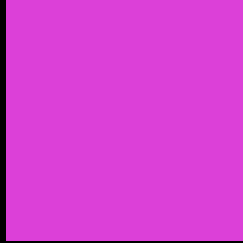
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.7433, 23.8403, 67.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

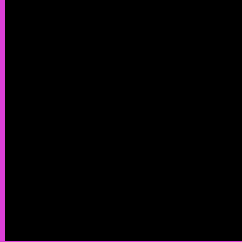
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.7433, 23.8403, 67.2619

Background



This preview shows how black text looks on a background with the XYZ color 43.7433, 23.8403, 67.2619.



This preview shows how white text looks on a background with the XYZ color 43.7433, 23.8403,

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

43.7433, 23.8403, 67.2619

Protanopia

28.1470, 24.2753, 97.8098

Deuteranopia

24.8001, 24.1673, 61.1153



Tritanopia

33.3729, 23.8000, 17.0223

Trichromacy



Original Color

43.7433, 23.8403, 67.2619



Protanomaly

28.9164, 20.7239, 85.6951



Deuteranomaly

28.4789, 21.4700, 62.9647



Tritanomaly

35.9076, 23.0831, 30.1667

Monochromacy



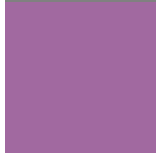
Original Color

43.7433, 23.8403, 67.2619



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

26.0947, 20.2183, 35.7849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7433, 23.8403, 67.2619 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(220, 64, 216)` looks like.

```
.text, #text, p{  
    color:rgb(220, 64, 216)  
}
```

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(220, 64, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 64, 216) }
```

Border

The CSS property to change the border of an element to XYZ 43.7433, 23.8403, 67.2619 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(220, 64, 216) }
```


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

```
.border{ border-color:rgb(220, 64, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 64, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 64, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 64, 216);  
box-shadow:4px 4px 4px 4px rgb(220, 64,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7433, 23.8403, 67.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 64, 216) }
```

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

```
.background{ background-color: rgb(220, 64,  
216) }
```

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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