

# Converting Colors

XYZ(42.6496, 23.5867, 65.6737)

Have a look what the booklet for  
XYZ(42.6496, 23.5867, 65.6737)  
contains.

<b>XYZ(42.7600, 23.6211, 65.9239)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.7600, 23.6211,  
65.9239)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D943D6
RGB	217, 67, 214
RGB Percent	85%, 26%, 84%
CMY	0.1490, 0.7372, 0.1608
CMYK	0.00, 0.69, 0.01, 0.15
HSL	301°, 66%, 56%
HSV	301°, 69%, 85%
XYZ	42.7600, 23.6211, 65.9239
YIQ	128.6080, 42.2130, 77.5170

# Conversions

## Conversions Part 2

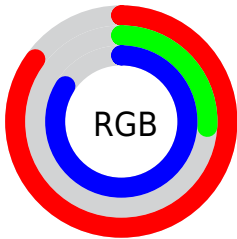
Format	Color
R <sub>YB</sub>	217, 67, 214
Decimal	14238678
CIE <sub>Lab</sub>	55.71, 74.04, -45.56
CIE <sub>LCh</sub>	56, 86.939, 328.392
Yxy	23.6211, 0.3232, 0.1785
Android (android.graphics.Color)	4292428758 (0xFFD943D6)
YUV	128.6080, 42.0983, 77.5198
Hunter-Lab	48.6015, 71.9929, -46.4008

# Details

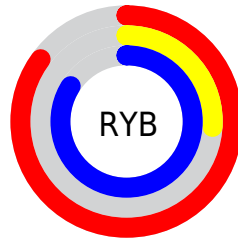
The XYZ color **42.7600, 23.6211, 65.9239** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **28.2342, 51.2622, 14.2023**, and the grayscale version is **20.5783, 21.6499, 23.5768**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **20.3586, 9.7723, 33.6141** is the 20% darker color. If you saturate the color by 10%, you get **41.6481, 21.4851, 65.2802**, and if you desaturate by 10%, it is **44.3569, 26.7254, 66.7303**.

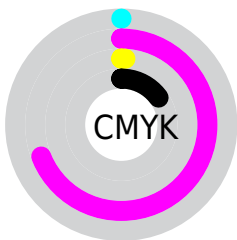
# Distribution



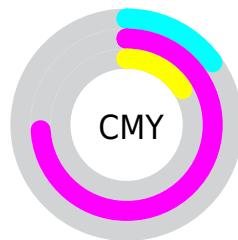
- Red (85%)
- Green (26%)
- Blue (84%)



- Red (85%)
- Yellow (26%)
- Blue (84%)



- Cyan (0%)
- Magenta (69%)
- Yellow (1%)
- Black (15%)




- Cyan (15%)
- Magenta (74%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7600, 23.6211, 65.9239 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 42.7600, 23.6211, 65.9239 by changing the saturation by 10% instead.





 42.7600, 23.6211,  
65.9239


 42.7600, 23.6211,  
65.9239


348.5621,  
270.8993, 464.5015

 29.8906, 15.0528,  
47.7545


 78.6065, 49.4112,  
115.0031


 19.9032, 8.8564,  
33.2739


 102.3143, 67.4017,  
146.7499


 12.4325, 4.6477,  
22.0635


 130.3656, 89.3018,  
183.8597

 7.1133, 2.0421,  
13.7048

 163.1258,  
115.4959, 226.7510

 3.5800, 0.6317,  
7.7793

 200.9602,  
146.3682, 275.8423

 1.4674, 0.0000,  
3.8683

244.2341,

 0.3035, 0.0000,

182.3033, 331.5521

1.5534

293.3130,  
223.6855, 394.2990

■ 0.0000, 0.0000,  
0.2572

■ 0.0000, 0.0000,  
0.0000

■ 42.7600, 23.6211,  
65.9239

■ 42.7600, 23.6211,  
65.9239

■ 41.6481, 21.4851,  
65.2802

■ 44.3569, 26.7254,  
66.7303

■ 40.9613, 20.1999,  
64.7788


■ 46.4846, 30.8916,  
67.7142


■ 40.6083, 19.5821,  
64.3894


■ 49.1863, 36.2056,  
68.8902


■ 40.5827, 19.5387,  
64.3570


■ 52.5003, 42.7441,  
70.2710

 56.4615, 50.5768,  
71.8682

 61.1023, 59.7684,  
73.6928

 66.4528, 70.3791,  
75.7546

 72.5413, 82.4655,  
78.0631

 77.0184, 91.3290,  
79.8353

# Harmonies

## Analogous

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



32.7185, 23.6211, 109.0674



42.7600, 23.6211, 65.9239



47.2130, 23.6211, 27.2718

# Triad

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



42.7600, 23.6211, 65.9239



22.9869, 23.6211, 0.6391



9.5686, 23.6211, 61.1081

# Complementary

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



42.7600, 23.6211, 65.9239



28.2342, 51.2622, 14.2023

# 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.



8.3390, 23.6211, 24.2270



42.7600, 23.6211, 65.9239



14.5937, 23.6211, 1.4267

# Square

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



42.7600, 23.6211, 65.9239



33.9161, 23.6211, 1.6598



9.8728, 23.6211, 6.4755



13.9137, 23.6211, 105.1277



# Rectangle

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



42.7600, 23.6211, 65.9239



45.6542, 23.6211, 12.1172



9.8728, 23.6211, 6.4755



8.8451, 23.6211, 46.9184

# Sweetspot

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



42.7609, 23.6222, 65.9244



80.1097, 70.3946, 103.0713



17.0226, 10.3089, 66.7391



16.7976, 14.3767, 21.9213



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.



42.7609, 23.6222, 65.9244



59.4923, 29.9636, 93.7212



35.3204, 20.6460, 26.7433



13.6026, 13.2701, 16.4343



24.5713, 11.8296, 38.9842



1.5955, 0.7678, 2.5449



# Inverse Universe

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



42.7609, 23.6222, 65.9244



59.4923, 29.9636, 93.7212



32.2011, 52.8490, 35.0918



13.6026, 13.2701, 16.4343



24.5713, 11.8296, 38.9842

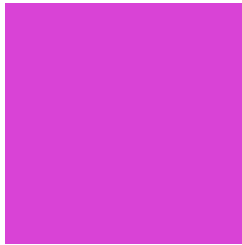


1.5955, 0.7678, 2.5449



# Previews

## White Background



This preview shows how the XYZ color 42.7600, 23.6211, 65.9239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

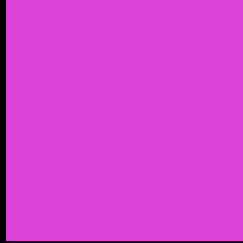
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7600, 23.6211, 65.9239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

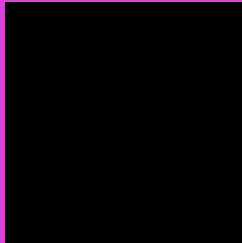
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.7600, 23.6211, 65.9239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7600, 23.6211, 65.9239.



This preview shows how white text looks on a background with the XYZ color 42.7600, 23.6211,

65.9239.

# 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

42.7600, 23.6211, 65.9239

### Protanopia

28.0825, 24.2420, 97.8068

### Deuteranopia

24.5421, 23.8440, 60.4356



## Tritanopia

32.5908, 23.3906, 17.2651

# Trichromacy



## Original Color

42.7600, 23.6211, 65.9239



## Protanomaly

28.5936, 20.7286, 84.9320



## Deuteranomaly

28.1815, 21.3310, 62.3065



## Tritanomaly

35.1333, 22.8067, 30.1542

# Monochromacy



## Original Color

42.7600, 23.6211, 65.9239



## Achromatopsia

20.8660, 21.9526, 23.9064



## Achromatomaly

26.1971, 20.4232, 35.8190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7600, 23.6211, 65.9239 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(217, 67, 214)` looks like.

```
.text, #text, p{  
    color:rgb(217, 67, 214)  
}
```

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(217, 67, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 67, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7600, 23.6211, 65.9239 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(217, 67, 214) }
```



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

```
.border{ border-color:rgb(217, 67, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 67, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 67, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 67, 214);  
box-shadow:4px 4px 4px 4px rgb(217, 67,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7600, 23.6211, 65.9239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 67, 214) }
```

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

```
.background{ background-color: rgb(217, 67,  
214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor