

# Converting Colors

XYZ(40.7335, 23.5565, 55.8261)

Have a look what the booklet for  
XYZ(40.7335, 23.5565, 55.8261)  
contains.

<b>XYZ(40.7335, 23.5564, 55.8260)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(40.7335, 23.5564,  
55.8260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D74BC6
RGB	215, 75, 198
RGB Percent	84%, 29%, 78%
CMY	0.1569, 0.7059, 0.2235
CMYK	0.00, 0.65, 0.08, 0.16
HSL	307°, 64%, 57%
HSV	307°, 65%, 84%
XYZ	40.7335, 23.5564, 55.8260
YIQ	130.8820, 43.9570, 67.9330

# Conversions

## Conversions Part 2

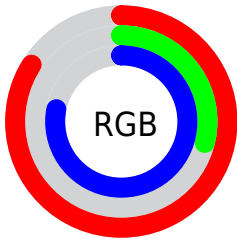
Format	Color
R <sub>Y</sub> B	215, 75, 198
Decimal	14109638
CIE Lab	55.64, 68.17, -36.56
CIE LCh	56, 77.356, 331.799
Yxy	23.5564, 0.3391, 0.1961
Android (android.graphics.Color)	4292299718 (0xFFD74BC6)
YUV	130.8820, 33.0892, 73.7715
Hunter-Lab	48.5349, 64.8720, -34.2223

# Details

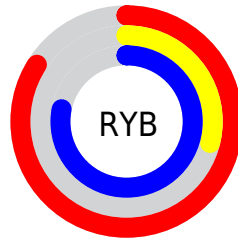
The XYZ color **40.7335, 23.5564, 55.8260** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.1350, 50.8705, 18.4103**, and the grayscale version is **21.4072, 22.5220, 24.5265**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **18.9387, 9.1817, 27.1596** is the 20% darker color. If you saturate the color by 10%, you get **39.2155, 20.9976, 53.8470**, and if you desaturate by 10%, it is **42.7509, 27.1045, 57.9974**.

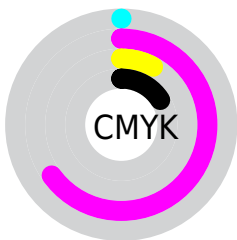
# Distribution



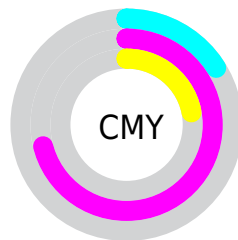
- Red (84%)
- Green (29%)
- Blue (78%)



- Red (84%)
- Yellow (29%)
- Blue (78%)



- Cyan (0%)
- Magenta (65%)
- Yellow (8%)
- Black (16%)




- Cyan (16%)
- Magenta (71%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7335, 23.5564, 55.8260 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 40.7335, 23.5564, 55.8260 by changing the saturation by 10% instead.




 40.7335, 23.5564,  
55.8260


 40.7335, 23.5564,  
55.8260

340.2872,  
270.5700, 426.4053

 28.2977, 15.0049,  
39.6604


 75.5564, 49.3053,  
100.2334


 18.6918, 8.8228,  
26.9621


 98.6742, 67.2715,  
129.3122


 11.5504, 4.6258,  
17.3126


 126.0834, 89.1448,  
163.5325

 6.5084, 2.0294,  
10.2933

 158.1493,  
115.3094, 203.3129

 3.2002, 0.6245,  
5.4857

 195.2373,  
146.1499, 249.0718

 1.2605, 0.0000,  
2.4713

237.7127,

 0.1533, 0.0000,

182.0505, 301.2278

0.8249

285.9409,  
223.3958, 360.1995

■ 0.0000, 0.0000,  
0.0000

■ 40.7335, 23.5564,  
55.8260

■ 40.7335, 23.5564,  
55.8260

■ 39.2155, 20.9976,  
53.8470

■ 42.7509, 27.1045,  
57.9974

■ 38.1424, 19.3210,  
52.0416

■ 45.3100, 31.7281,  
60.3750

■ 37.4514, 18.4005,  
50.3890

■ 48.4512, 37.5077,  
62.9725

■ 37.1983, 18.1167,  
49.6188

■ 52.2107, 44.5154,  
65.8020

■ 56.6215, 52.8171,  
68.8748

61.7143, 62.4744,  
72.2011

67.5178, 73.5446,  
75.7908

74.0592, 86.0819,  
79.6528

76.9025, 91.2144,  
82.3088

# Harmonies

## Analogous

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



32.4782, 23.5564, 92.2728



40.7335, 23.5564, 55.8260



43.7702, 23.5564, 24.1654

# Triad

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



40.7335, 23.5564, 55.8260



21.8655, 23.5564, 1.3422



10.9175, 23.5564, 60.3440

# Complementary

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



40.7335, 23.5564, 55.8260



29.1350, 50.8705, 18.4103

# 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.



9.4311, 23.5564, 27.1919



40.7335, 23.5564, 55.8260



14.6420, 23.5564, 2.6246

# Square

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



40.7335, 23.5564, 55.8260



31.3196, 23.5564, 2.3073



10.5935, 23.5564, 8.9511



15.3423, 23.5564, 95.8709



# Rectangle

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



40.7335, 23.5564, 55.8260



41.9284, 23.5564, 11.5927



10.5935, 23.5564, 8.9511



10.1186, 23.5564, 48.0290

# Sweetspot

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



40.7343, 23.5575, 55.8265



79.9016, 71.2732, 99.0103



19.1303, 12.1808, 65.6338



16.7170, 14.5312, 20.9209



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.



40.7343, 23.5575, 55.8265



57.0610, 29.8589, 78.2430



34.4818, 21.0565, 22.9013



12.8851, 12.6055, 15.3350



22.2752, 10.8464, 29.8168



1.3622, 0.6617, 1.8969



# Inverse Universe

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



40.7343, 23.5575, 55.8265



57.0610, 29.8589, 78.2430



33.6657, 52.6828, 42.2685



12.8851, 12.6055, 15.3350



22.2752, 10.8464, 29.8168

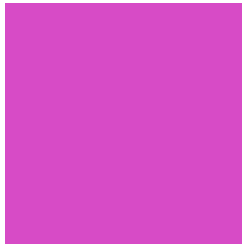


1.3622, 0.6617, 1.8969



# Previews

## White Background



This preview shows how the XYZ color 40.7335, 23.5564, 55.8260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

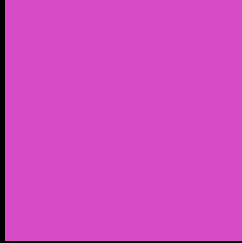
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7335, 23.5564, 55.8260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

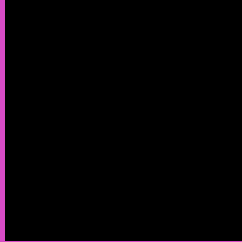
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.7335, 23.5564, 55.8260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7335, 23.5564, 55.8260.



This preview shows how white text looks on a background with the XYZ color 40.7335, 23.5564,



# 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

40.7335, 23.5564, 55.8260

### Protanopia

27.5188, 24.1149, 90.3930

### Deuteranopia

24.3760, 23.7541, 51.4444



## Tritanopia

32.5373, 23.3692, 16.9832

# Trichromacy



## Original Color

40.7335, 23.5564, 55.8260



## Protanomaly

28.3230, 21.2446, 76.7366



## Deuteranomaly

27.9614, 21.7540, 52.5944



## Tritanomaly

34.9294, 23.1327, 27.8234

# Monochromacy



## Original Color

40.7335, 23.5564, 55.8260



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

26.5011, 21.4168, 33.7474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7335, 23.5564, 55.8260 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(215, 75, 198)` looks like.

```
.text, #text, p{  
    color:rgb(215, 75, 198)  
}
```

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(215, 75, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 75, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7335, 23.5564, 55.8260 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".

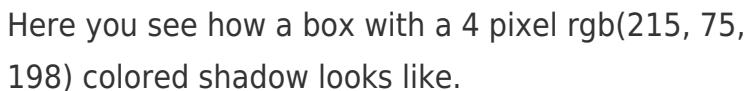
```
.border, #border, table{ border:4px solid rgb(215, 75, 198) }
```



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

```
.border{ border-color:rgb(215, 75, 198) }
```

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



Here you see how a box with a 4 pixel rgb(215, 75, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 75, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 75, 198); box-shadow:4px 4px 4px 4px rgb(215, 75, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7335, 23.5564, 55.8260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 75, 198) }
```

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

```
.background{ background-color: rgb(215, 75,  
198) }
```

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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