

# Converting Colors

XYZ(40.4541, 23.7000, 55.8668)

Have a look what the booklet for  
XYZ(40.4541, 23.7000, 55.8668)  
contains.

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# Color

**XYZ(40.3580, 23.6721,  
55.8682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D54EC6
RGB	213, 78, 198
RGB Percent	84%, 31%, 78%
CMY	0.1647, 0.6941, 0.2235
CMYK	0.00, 0.63, 0.07, 0.16
HSL	307°, 62%, 57%
HSV	307°, 63%, 84%
XYZ	40.3580, 23.6721, 55.8682
YIQ	132.0450, 41.9400, 65.9400

# Conversions

## Conversions Part 2

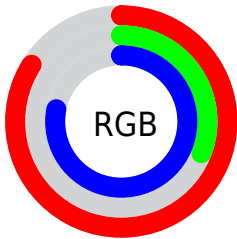
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 78, 198
Decimal	13979334
CIE Lab	55.76, 66.51, -36.39
CIE LCh	56, 75.814, 331.312
Yxy	23.6721, 0.3366, 0.1974
Android (android.graphics.Color)	4292169414 (0xFFD54EC6)
YUV	132.0450, 32.5158, 70.9975
Hunter-Lab	48.6540, 62.9195, -34.0235

# Details

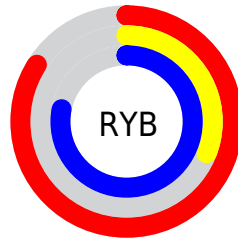
The XYZ color **40.3580, 23.6721, 55.8682** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **28.9130, 49.9995, 18.4845**, and the grayscale version is **21.8253, 22.9620, 25.0056**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **18.5516, 8.9822, 27.1415** is the 20% darker color. If you saturate the color by 10%, you get **38.8117, 21.0124, 54.0164**, and if you desaturate by 10%, it is **42.4001, 27.3155, 57.9067**.

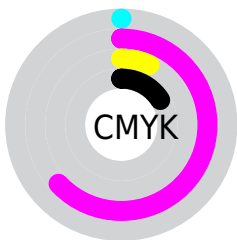
# Distribution



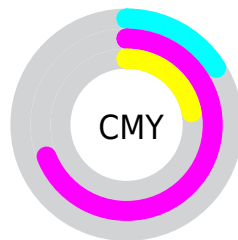
- Red (84%)
- Green (31%)
- Blue (78%)



- Red (84%)
- Yellow (31%)
- Blue (78%)



- Cyan (0%)
- Magenta (63%)
- Yellow (7%)
- Black (16%)




- Cyan (16%)
- Magenta (69%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3580, 23.6721, 55.8682 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 40.3580, 23.6721, 55.8682 by changing the saturation by 10% instead.





 40.3580, 23.6721,  
55.8682


 40.3580, 23.6721,  
55.8682

338.7388,  
271.1585, 426.5690


 28.0032, 15.0906,  
39.6940


 74.9892, 49.4946,  
100.2957


 18.4686, 8.8830,  
26.9881


 97.9964, 67.5043,  
129.3861


 11.3886, 4.6649,  
17.3319


 125.2851, 89.4256,  
163.6189

 6.3981, 2.0520,  
10.3069

 157.2207,  
115.6428, 203.4128

 3.1316, 0.6374,  
5.4947

 194.1685,  
146.5402, 249.1861

 1.2237, 0.0000,  
2.4766

236.4939,

 0.1250, 0.0000,

182.5024, 301.3576

0.8277

284.5622,  
223.9137, 360.3457

■ 0.0000, 0.0000,  
0.0000

■ 40.3580, 23.6721,  
55.8682

■ 40.3580, 23.6721,  
55.8682

■ 38.8117, 21.0124,  
54.0164

■ 42.4001, 27.3155,  
57.9067

■ 37.7094, 19.2346,  
52.3334

■ 44.9784, 32.0247,  
60.1448


■ 36.9923, 18.2204,  
50.7997


■ 48.1317, 37.8772,  
62.5958


■ 36.6624, 17.8349,  
49.8438


■ 51.8946, 44.9421,  
65.2714

■ 56.2991, 53.2831,  
68.1823

 61.3749, 62.9597,  
71.3385

 67.1496, 74.0272,  
74.7492

 73.6496, 86.5381,  
78.4234

 76.0269, 90.7967,  
80.7451

# Harmonies

## Analogous

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



32.2396, 23.6721, 91.1492



40.3580, 23.6721, 55.8682



43.4245, 23.6721, 24.7054

# Triad

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



40.3580, 23.6721, 55.8682



22.1230, 23.6721, 1.4983



11.1179, 23.6721, 59.0740

# Complementary

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



40.3580, 23.6721, 55.8682



28.9130, 49.9995, 18.4845

# 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.



9.6813, 23.6721, 26.8748



40.3580, 23.6721, 55.8682



14.9502, 23.6721, 2.7880

# Square

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



40.3580, 23.6721, 55.8682



31.4131, 23.6721, 2.5490



10.8829, 23.6721, 9.0638



15.4552, 23.6721, 93.6899



# Rectangle

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



40.3580, 23.6721, 55.8682



41.7007, 23.6721, 12.1045



10.8829, 23.6721, 9.0638



10.3379, 23.6721, 47.1158

# Sweetspot

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



40.3588, 23.6732, 55.8687



80.6391, 72.5460, 99.8800



19.0996, 12.5038, 64.3583



16.8645, 14.7800, 21.1129



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.



40.3588, 23.6732, 55.8687



57.6940, 30.5287, 80.2914



34.3309, 21.2620, 24.1259



12.8908, 12.6078, 15.3653



22.4184, 10.9037, 30.5710



1.3695, 0.6646, 1.9352



# Inverse Universe

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



40.3588, 23.6732, 55.8687



57.6940, 30.5287, 80.2914



33.1952, 51.7123, 41.0342



12.8908, 12.6078, 15.3653



22.4184, 10.9037, 30.5710



1.3695, 0.6646, 1.9352



# Previews

## White Background



This preview shows how the XYZ color 40.3580, 23.6721, 55.8682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

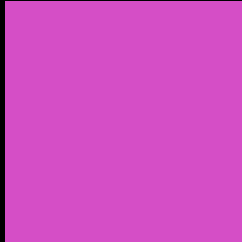
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3580, 23.6721, 55.8682 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

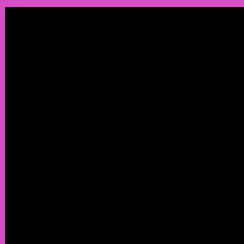
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.3580, 23.6721, 55.8682**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3580, 23.6721, 55.8682.



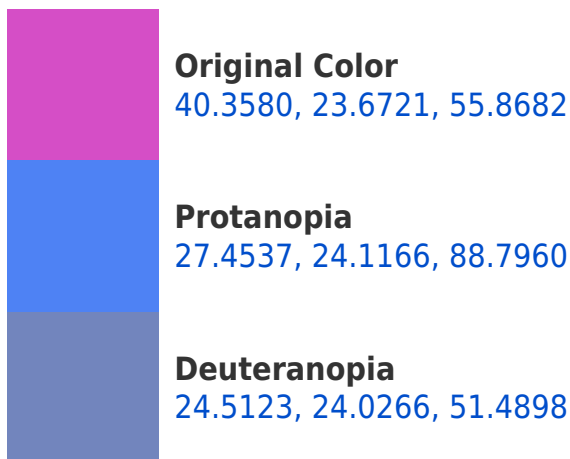
This preview shows how white text looks on a background with the XYZ color 40.3580, 23.6721,



# 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





## Tritanopia

32.5666, 23.6637, 17.6029

# Trichromacy



## Original Color

40.3580, 23.6721, 55.8682



## Protanomaly

28.3020, 21.4270, 75.3172



## Deuteranomaly

27.9972, 22.1001, 52.6593



## Tritanomaly

34.6173, 23.2238, 28.2493

# Monochromacy



## Original Color

40.3580, 23.6721, 55.8682



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

26.4929, 21.5657, 34.2188

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3580, 23.6721, 55.8682 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(213, 78, 198)` looks like.

```
.text, #text, p{  
    color:rgb(213, 78, 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(213, 78, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 78, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3580, 23.6721, 55.8682 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".

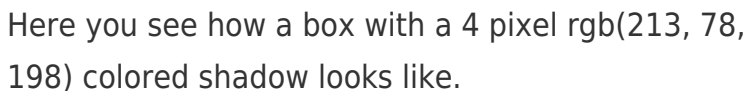
```
.border, #border, table{ border:4px solid rgb(213, 78, 198) }
```



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

```
.border{ border-color:rgb(213, 78, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 78, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 78, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 78, 198); box-shadow:4px 4px 4px 4px rgb(213, 78, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3580, 23.6721, 55.8682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 78, 198) }
```

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

```
.background{ background-color: rgb(213, 78,  
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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