

# Converting Colors

XYZ(40.0630, 25.8638, 64.0706)

Have a look what the booklet for  
XYZ(40.0630, 25.8638, 64.0706)  
contains.

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# Color

**XYZ(40.1821, 25.9943,  
63.8723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C963D2
RGB	201, 99, 210
RGB Percent	79%, 39%, 82%
CMY	0.2118, 0.6117, 0.1765
CMYK	0.04, 0.53, 0.00, 0.18
HSL	295°, 55%, 61%
HSV	295°, 53%, 82%
XYZ	40.1821, 25.9943, 63.8723
YIQ	142.1520, 25.1610, 56.1450

# Conversions

## Conversions Part 2

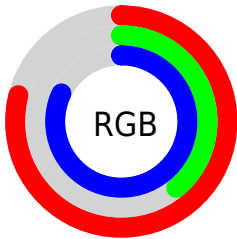
Format	Color
R <sub>Y</sub> B	201, 99, 210
Decimal	13198290
CIE Lab	58.03, 56.16, -39.78
CIE LCh	58, 68.823, 324.688
Yxy	25.9943, 0.3090, 0.1999
Android (android.graphics.Color)	4291388370 (0xFFC963D2)
YUV	142.1520, 33.4491, 51.6097
Hunter-Lab	50.9846, 51.4568, -38.5879

# Details

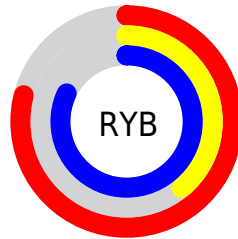
The XYZ color **40.1821, 25.9943, 63.8723** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.4838, 50.1827, 19.8324**, and the grayscale version is **25.6370, 26.9721, 29.3726**.

A 20% lighter version of the original color is **70.8456, 51.5912, 100.8319**, and **18.3187, 10.0972, 31.9938** is the 20% darker color. If you saturate the color by 10%, you get **37.9903, 22.2857, 63.2724**, and if you desaturate by 10%, it is **42.8981, 30.7422, 64.6460**.

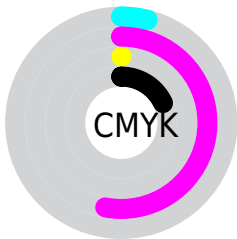
# Distribution



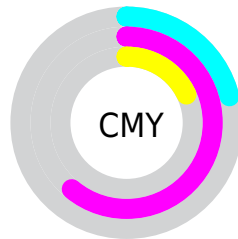
- Red (79%)
- Green (39%)
- Blue (82%)



- Red (79%)
- Yellow (39%)
- Blue (82%)



- Cyan (4%)
- Magenta (53%)
- Yellow (0%)
- Black (18%)




- Cyan (21%)
- Magenta (61%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1821, 25.9943, 63.8723 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 40.1821, 25.9943, 63.8723 by changing the saturation by 10% instead.





 40.1821, 25.9943,  
63.8723


 40.1821, 25.9943,  
63.8723


338.0118,  
282.7541, 456.9231


 27.8654, 16.8194,  
46.1017


 74.7233, 53.2658,  
112.0247


 18.3642, 10.1058,  
31.9769


 97.6785, 72.1311,  
143.2436

 11.3130, 5.4692,  
21.0792


 124.9106, 94.9953,  
179.7824

 6.3466, 2.5251,  
12.9901

 156.7850,  
122.2429, 222.0596

 3.0996, 0.8892,  
7.2911

193.6669,  
154.2581, 270.4937

 1.2067, 0.0000,  
3.5636

235.9218,

 0.1116, 0.0000,

191.4255, 325.5033

1.3891

283.9149,  
234.1293, 387.5069

■ 0.0000, 0.0000,  
0.1332

■ 0.0000, 0.0000,  
0.0000

■ 40.1821, 25.9943,  
63.8723

■ 40.1821, 25.9943,  
63.8723

■ 37.9903, 22.2857,  
63.2724

■ 42.8981, 30.7422,  
64.6460

■ 36.2788, 19.5309,  
62.8308

■ 46.1720, 36.5992,  
65.6039

■ 35.0013, 17.6367,  
62.5326

■ 50.0380, 43.6329,  
66.7578

■ 34.1011, 16.4896,  
62.3586

■ 54.5269, 51.9047,  
68.1178

■ 33.6189, 15.9873,  
62.2871

■ 59.6672, 61.4716,  
69.6935

■ 65.4856, 72.3871,  
71.4938

■ 72.0074, 84.7018,  
73.5270

■ 75.3064, 90.5631,  
74.4845

■ 75.8078, 90.8216,  
74.5079

# Harmonies

## Analogous

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



32.0032, 25.9943, 93.6088



40.1821, 25.9943, 63.8723



44.2871, 25.9943, 32.7573

# Triad

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



40.1821, 25.9943, 63.8723



26.2166, 25.9943, 2.8115



12.8423, 25.9943, 52.0552

# Complementary

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



40.1821, 25.9943, 63.8723



31.4838, 50.1827, 19.8324

# 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.



11.9630, 25.9943, 24.2726



40.1821, 25.9943, 63.8723



18.6133, 25.9943, 3.7565

# Square

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



40.1821, 25.9943, 63.8723



35.1471, 25.9943, 4.9709



13.8231, 25.9943, 9.2305



16.5705, 25.9943, 84.5111



# Rectangle

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



40.1821, 25.9943, 63.8723



43.6210, 25.9943, 18.2098



13.8231, 25.9943, 9.2305



12.2450, 25.9943, 41.5708

# Sweetspot

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



40.1830, 25.9954, 63.8728



82.1807, 76.0525, 104.9559



22.1684, 18.0849, 63.2954



17.2770, 15.7011, 22.3700



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.



40.1830, 25.9954, 63.8728



58.6935, 34.1607, 98.1079



37.7192, 25.2976, 37.8996



12.2123, 11.9583, 14.9082



20.5474, 9.7729, 37.9959



1.1775, 0.5612, 2.1258



# Inverse Universe

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



33.7477, 23.7090, 16.9859



47.9475, 30.3972, 17.3536



33.3232, 50.7985, 34.9392



11.8471, 11.8236, 12.4706



16.2893, 8.3885, 1.1635



0.9246, 0.4746, 0.1379



# Previews

## White Background



This preview shows how the XYZ color 40.1821, 25.9943, 63.8723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

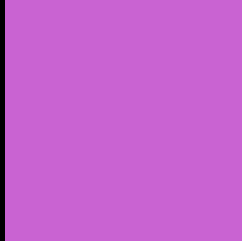
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1821, 25.9943, 63.8723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

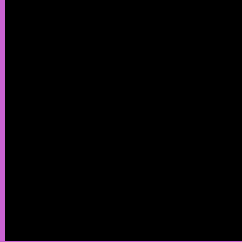
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.1821, 25.9943, 63.8723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1821, 25.9943, 63.8723.



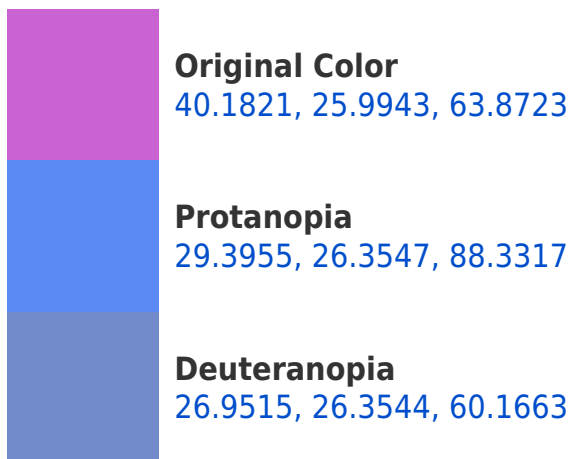
This preview shows how white text looks on a background with the XYZ color 40.1821, 25.9943,



# 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

32.1648, 26.0943, 24.1103

# Trichromacy



## Original Color

40.1821, 25.9943, 63.8723



## Protanomaly

31.0225, 24.8410, 78.7610



## Deuteranomaly

30.2023, 24.9825, 61.6228



## Tritanomaly

34.4714, 25.6591, 35.4836

# Monochromacy



## Original Color

40.1821, 25.9943, 63.8723



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

29.5402, 25.4983, 39.9239

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1821, 25.9943, 63.8723 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(201, 99, 210)` looks like.

```
.text, #text, p{  
    color:rgb(201, 99, 210)  
}
```

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(201, 99, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 99, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1821, 25.9943, 63.8723 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(201, 99, 210) }
```



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

```
.border{ border-color:rgb(201, 99, 210) }
```

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

Here you see how a box with a 4 pixel rgb(201, 99, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 99, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 99, 210);  
box-shadow:4px 4px 4px 4px rgb(201, 99,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1821, 25.9943, 63.8723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 99, 210) }
```

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

```
.background{ background-color: rgb(201, 99,  
210) }
```

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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