

# Converting Colors

XYZ(37.6667, 24.1008, 59.7934)

Have a look what the booklet for  
XYZ(37.6667, 24.1008, 59.7934)  
contains.

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# Color

**XYZ(37.6667, 24.1008,  
59.7934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C45ECC
RGB	196, 94, 204
RGB Percent	77%, 37%, 80%
CMY	0.2314, 0.6314, 0.2000
CMYK	0.04, 0.54, 0.00, 0.20
HSL	296°, 52%, 58%
HSV	296°, 54%, 80%
XYZ	37.6667, 24.1008, 59.7934
YIQ	137.0380, 25.4820, 55.8340

# Conversions

## Conversions Part 2

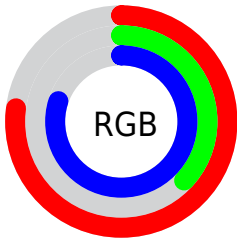
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 94, 204
Decimal	12869324
CIE <sub>Lab</sub>	56.19, 56.10, -39.32
CIE <sub>LCh</sub>	56, 68.510, 324.978
Yxy	24.1008, 0.3099, 0.1983
Android (android.graphics.Color)	4291059404 (0xFFC45ECC)
YUV	137.0380, 33.0123, 51.7097
Hunter-Lab	49.0926, 51.0437, -37.8488

# Details

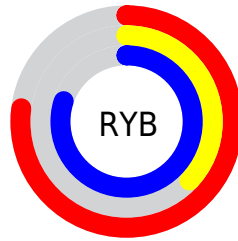
The XYZ color **37.6667, 24.1008, 59.7934** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **29.0935, 46.8192, 18.0944**, and the grayscale version is **23.6656, 24.8980, 27.1140**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **16.9331, 9.1316, 29.3039** is the 20% darker color. If you saturate the color by 10%, you get **35.7029, 20.7426, 59.2490**, and if you desaturate by 10%, it is **40.1154, 28.4217, 60.4987**.

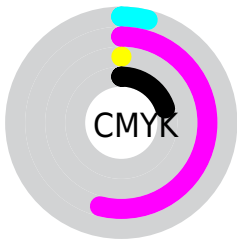
# Distribution



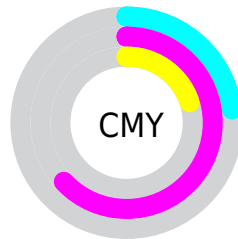
- Red (77%)
- Green (37%)
- Blue (80%)



- Red (77%)
- Yellow (37%)
- Blue (80%)



- Cyan (4%)
- Magenta (54%)
- Yellow (0%)
- Black (20%)




- Cyan (23%)
- Magenta (63%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6667, 24.1008, 59.7934 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 37.6667, 24.1008, 59.7934 by changing the saturation by 10% instead.




 37.6667, 24.1008,  
59.7934


 37.6667, 24.1008,  
59.7934

327.4937,  
273.3297, 441.6193


 25.9001, 15.4084,  
42.8279


 70.9042, 50.1946,  
106.0703


 16.8812, 9.1065,  
29.4197


 93.1058, 68.3649,  
136.2189

 10.2446, 4.8107,  
19.1503


 119.5165, 90.4632,  
171.5989

 5.6250, 2.1366,  
11.6010

 150.5017,  
116.8740, 212.6289

 2.6569, 0.6851,  
6.3534

186.4266,  
147.9816, 259.7273

 0.9750, 0.0000,  
2.9889

227.6567,

 0.0000, 0.0000,

184.1705, 313.3129

1.0890

274.5573,  
225.8251, 373.8040

■ 0.0000, 0.0000,  
0.0000

■ 37.6667, 24.1008,  
59.7934

■ 37.6667, 24.1008,  
59.7934

■ 35.7029, 20.7426,  
59.2490

■ 40.1154, 28.4217,  
60.4987

■ 34.1826, 18.2665,  
58.8512

■ 43.0807, 33.7710,  
61.3749

■ 33.0622, 16.5845,  
58.5856

■ 46.5950, 40.2123,  
62.4330

■ 32.2875, 15.5883,  
58.4342

■ 50.6868, 47.8032,  
63.6825

■ 31.9264, 15.1996,  
58.3782

■ 55.3831, 56.5972,  
65.1324

■ 60.7089, 66.6445,  
66.7911

■ 66.6879, 77.9924,  
68.6663

■ 72.6350, 89.2707,  
70.5298

■ 73.0537, 89.4866,  
70.5494

# Harmonies

## Analogous

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



29.9088, 24.1008, 88.3812



37.6667, 24.1008, 59.7934



41.5274, 24.1008, 30.2207

# Triad

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



37.6667, 24.1008, 59.7934



24.2573, 24.1008, 2.4180



11.7468, 24.1008, 49.1229

# Complementary

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



37.6667, 24.1008, 59.7934



29.0935, 46.8192, 18.0944

# 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.



10.8986, 24.1008, 22.6282



37.6667, 24.1008, 59.7934



17.0934, 24.1008, 3.3008

# Square

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



37.6667, 24.1008, 59.7934



32.7339, 24.1008, 4.3476



12.6159, 24.1008, 8.4016



15.2747, 24.1008, 80.1292



# Rectangle

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



37.6667, 24.1008, 59.7934



40.8532, 24.1008, 16.5599



12.6159, 24.1008, 8.4016



11.1789, 24.1008, 39.1099

# Sweetspot

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



37.6676, 24.1019, 59.7939



82.3040, 76.1160, 104.9617



20.3830, 16.4742, 59.2326



17.3067, 15.7164, 22.3714



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.



37.6676, 24.1019, 59.7939



58.5868, 33.4515, 97.9767



35.0912, 23.3182, 35.0754



11.6039, 11.3606, 14.1516



20.1287, 9.5843, 36.7453



1.0630, 0.5071, 1.8968



# Inverse Universe

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



31.3036, 21.8031, 15.1300



47.1971, 29.3920, 15.5758



30.9311, 47.4546, 32.2771



11.2449, 11.2267, 11.8241



15.7402, 8.1067, 1.0847

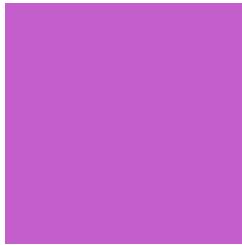


0.8238, 0.4229, 0.1181



# Previews

## White Background



This preview shows how the XYZ color 37.6667, 24.1008, 59.7934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

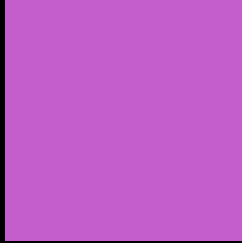
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6667, 24.1008, 59.7934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

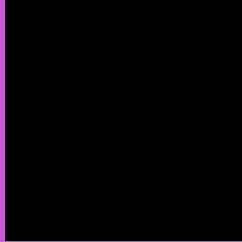
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.6667, 24.1008, 59.7934**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6667, 24.1008, 59.7934.



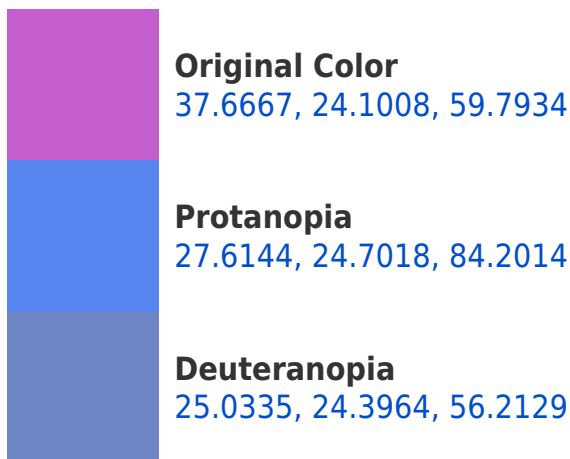
This preview shows how white text looks on a background with the XYZ color 37.6667, 24.1008,



# 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

29.9556, 24.1306, 21.8177

# Trichromacy



## Original Color

37.6667, 24.1008, 59.7934



## Protanomaly

28.9583, 22.9599, 74.8569



## Deuteranomaly

28.0067, 23.0265, 57.6120



## Tritanomaly

32.1604, 23.7295, 32.5910

# Monochromacy



## Original Color

37.6667, 24.1008, 59.7934



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

27.3709, 23.5171, 36.8149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6667, 24.1008, 59.7934 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(196, 94, 204)` looks like.

```
.text, #text, p{  
    color:rgb(196, 94, 204)  
}
```

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(196, 94, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 94, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6667, 24.1008, 59.7934 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(196, 94, 204) }
```



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

```
.border{ border-color:rgb(196, 94, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 94, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 94, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 94, 204);  
box-shadow:4px 4px 4px 4px rgb(196, 94,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6667, 24.1008, 59.7934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 94, 204) }
```

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

```
.background{ background-color: rgb(196, 94,  
204) }
```

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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