

Converting Colors

XYZ(37.3030, 23.0680, 63.4589)

Have a look what the booklet for
XYZ(37.3030, 23.0680, 63.4589)
contains.

XYZ(37.3707, 23.1019, 63.4622)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.3707, 23.1019,
63.4622)**

Conversions

Conversions Part 1

Format	Color
Hex	C258D2
RGB	194, 88, 210
RGB Percent	76%, 35%, 82%
CMY	0.2392, 0.6549, 0.1765
CMYK	0.08, 0.58, 0.00, 0.18
HSL	292°, 58%, 58%
HSV	292°, 58%, 82%
XYZ	37.3707, 23.1019, 63.4622
YIQ	133.6020, 24.0140, 60.4140

Conversions

Conversions Part 2

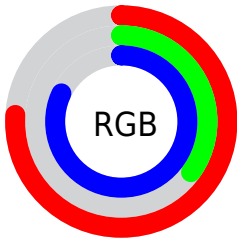
Format	Color
RYB	194, 88, 210
Decimal	12736722
CIELab	55.18, 59.50, -44.34
CIElCh	55, 74.207, 323.303
Yxy	23.1019, 0.3015, 0.1864
Android (android.graphics.Color)	4290926802 (0xFFC258D2)
YUV	133.6020, 37.6642, 52.9690
Hunter-Lab	48.0644, 54.6732, -44.6388

Details

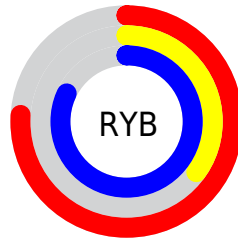
The XYZ color **37.3707, 23.1019, 63.4622** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **30.5176, 49.7413, 17.2261**, and the grayscale version is **22.3753, 23.5406, 25.6357**.

A 20% lighter version of the original color is **68.3805, 47.7476, 100.2199**, and **16.6723, 8.5637, 31.7846** is the 20% darker color. If you saturate the color by 10%, you get **35.1885, 19.7765, 62.9357**, and if you desaturate by 10%, it is **40.0641, 27.4288, 64.1558**.

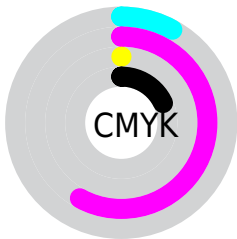
Distribution



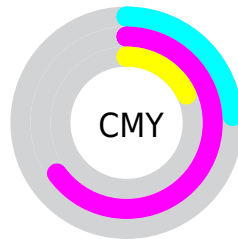
- Red (76%)
- Green (35%)
- Blue (82%)



- Red (76%)
- Yellow (35%)
- Blue (82%)



- Cyan (8%)
- Magenta (58%)
- Yellow (0%)
- Black (18%)



- Cyan (24%)
- Magenta (65%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3707, 23.1019, 63.4622 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 37.3707, 23.1019, 63.4622 by changing the saturation by 10% instead.

37.3707, 23.1019,
63.4622

37.3707, 23.1019,
63.4622

326.2404,
268.2479, 455.3990

25.6696, 14.6688,
45.7718

70.4527, 48.5606,
111.4281

16.7080, 8.5873,
31.7184

92.5643, 66.3549,
142.5406

10.1206, 4.4730,
20.8835

118.8769, 88.0385,
178.9643

5.5418, 1.9415,
12.8485

149.7556,
113.9956, 221.1177

2.6065, 0.5731,
7.1948

185.5660,
144.6107, 269.4194

0.9493, 0.0000,
3.5039

226.6734,

0.0000, 0.0000,

180.2682, 324.2878

1.3573

273.4431,
221.3525, 386.1415

■ 0.0000, 0.0000,
0.1081

■ 0.0000, 0.0000,
0.0000

■ 37.3707, 23.1019,
63.4622

■ 37.3707, 23.1019,
63.4622

■ 35.1885, 19.7765,
62.9357

■ 40.0641, 27.4288,
64.1558

■ 33.4710, 17.3617,
62.5601


■ 43.3048, 32.8316,
65.0278

■ 32.1672, 15.7551,
62.3187


■ 47.1288, 39.3812,
66.0905


■ 31.2014, 14.8056,
62.1864

■ 51.5680, 47.1416,
67.3544


 31.0333, 14.6544,
62.1660

 56.6522, 56.1720,
68.8295

 62.4089, 66.5276,
70.5249

 68.8644, 78.2606,
72.4493

 75.7217, 90.7772,
74.5039

 76.5425, 91.2003,
74.5423

Harmonies

Analogous

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



28.8831, 23.1019, 94.6454



37.3707, 23.1019, 63.4622



41.8878, 23.1019, 30.8592

Triad

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



37.3707, 23.1019, 63.4622



23.8686, 23.1019, 1.6031



10.3344, 23.1019, 47.8681

Complementary

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



37.3707, 23.1019, 63.4622



30.5176, 49.7413, 17.2261

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.



9.6303, 23.1019, 20.1993



37.3707, 23.1019, 63.4622



16.2385, 23.1019, 2.2112

Square

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



37.3707, 23.1019, 63.4622



32.9214, 23.1019, 3.4389



11.4998, 23.1019, 6.5524



13.7463, 23.1019, 82.3476

Rectangle

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



37.3707, 23.1019, 63.4622



41.3992, 23.1019, 16.0473



11.4998, 23.1019, 6.5524



9.8156, 23.1019, 37.1828

Sweetspot

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



37.3716, 23.1029, 63.4627



80.6854, 74.3298, 104.7023



20.6354, 16.6833, 63.1057



16.9495, 15.3448, 22.3185



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.



37.3716, 23.1029, 63.4627



53.8152, 29.5455, 97.4742



36.8846, 23.4083, 38.2998



12.1519, 11.9272, 14.9054



18.9907, 8.9703, 37.9230



1.1052, 0.5239, 2.1224

Inverse Universe

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



32.5674, 21.6814, 15.5660



46.1549, 27.4164, 14.8927



31.2871, 49.8545, 30.0688



11.8709, 11.8331, 12.5962



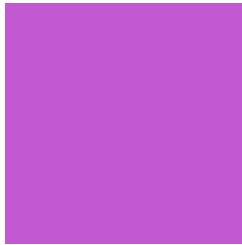
16.3579, 8.4160, 1.5250



0.9358, 0.4790, 0.1968

Previews

White Background



This preview shows how the XYZ color 37.3707, 23.1019, 63.4622 looks on a white background.

Color Contrast Check

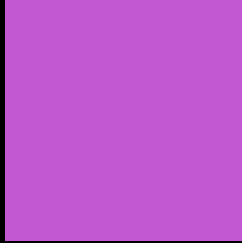
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3707, 23.1019, 63.4622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

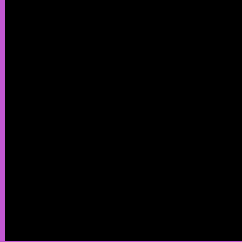
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3707, 23.1019, 63.4622

Background



This preview shows how black text looks on a background with the XYZ color 37.3707, 23.1019, 63.4622.



This preview shows how white text looks on a background with the XYZ color 37.3707, 23.1019,

63.4622.

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

37.3707, 23.1019, 63.4622

Protanopia

27.2478, 23.7430, 91.9537

Deuteranopia

23.9489, 23.3635, 59.1245



Tritanopia

28.5368, 22.9139, 21.0079

Trichromacy



Original Color

37.3707, 23.1019, 63.4622



Protanomaly

27.8080, 21.5525, 80.5363



Deuteranomaly

26.9377, 21.8851, 60.5621



Tritanomaly

30.8497, 22.4395, 32.8423

Monochromacy



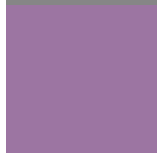
Original Color

37.3707, 23.1019, 63.4622



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.5932, 22.3991, 37.1043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3707, 23.1019, 63.4622 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(194, 88, 210)` looks like.

```
.text, #text, p{  
    color:rgb(194, 88, 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(194, 88, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 88, 210) }
```

Border

The CSS property to change the border of an element to XYZ 37.3707, 23.1019, 63.4622 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(194, 88, 210) }
```


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

```
.border{ border-color:rgb(194, 88, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 88, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 88, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 88, 210);  
box-shadow:4px 4px 4px 4px rgb(194, 88,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3707, 23.1019, 63.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 88, 210) }
```

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

```
.background{ background-color: rgb(194, 88,  
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](#).

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