

Converting Colors

XYZ(37.2109, 25.7225, 62.3461)

Have a look what the booklet for
XYZ(37.2109, 25.7225, 62.3461)
contains.

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Color

**XYZ(37.0137, 25.5852,
62.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	BB6BCF
RGB	187, 107, 207
RGB Percent	73%, 42%, 81%
CMY	0.2667, 0.5804, 0.1882
CMYK	0.10, 0.48, 0.00, 0.19
HSL	288°, 51%, 62%
HSV	288°, 48%, 81%
XYZ	37.0137, 25.5852, 62.0191
YIQ	142.3200, 15.5800, 48.0600

Conversions

Conversions Part 2

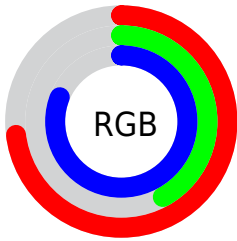
Format	Color
RYB	187, 107, 207
Decimal	12282831
CIELab	57.64, 47.71, -38.82
CIElCh	58, 61.507, 320.865
Yxy	25.5852, 0.2970, 0.2053
Android (android.graphics.Color)	4290472911 (0xFFBB6BCF)
YUV	142.3200, 31.8872, 39.1844
Hunter-Lab	50.5818, 42.1008, -37.2891

Details

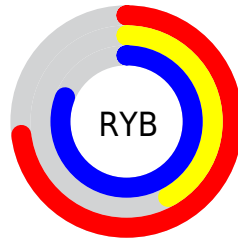
The XYZ color **37.0137, 25.5852, 62.0191** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.7199, 50.1998, 21.8234**, and the grayscale version is **25.7120, 27.0510, 29.4586**.

A 20% lighter version of the original color is **68.4511, 52.1222, 101.0606**, and **16.5494, 9.9049, 30.7454** is the 20% darker color. If you saturate the color by 10%, you get **34.1103, 21.2596, 61.3376**, and if you desaturate by 10%, it is **40.4647, 30.9611, 62.8752**.

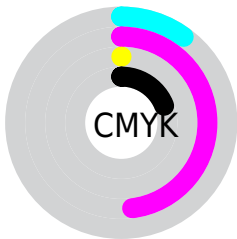
Distribution



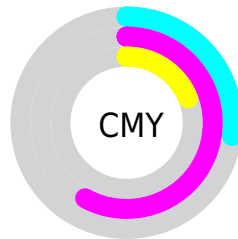
- Red (73%)
- Green (42%)
- Blue (81%)



- Red (73%)
- Yellow (42%)
- Blue (81%)



- Cyan (10%)
- Magenta (48%)
- Yellow (0%)
- Black (19%)





- Cyan (27%)
- Magenta (58%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0137, 25.5852, 62.0191 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 37.0137, 25.5852, 62.0191 by changing the saturation by 10% instead.

 37.0137, 25.5852,
62.0191


 37.0137, 25.5852,
62.0191


324.7243,
280.7399, 450.0103


 25.3918, 16.5136,
44.6122


 69.9075, 52.6050,
109.3250


 16.4995, 9.8883,
30.8114


 91.9102, 71.3220,
140.0611

 9.9714, 5.3250,
20.1980


 118.1039, 94.0229,
176.0774

 5.4421, 2.4392,
12.3536

 148.8539,
121.0921, 217.7924

 2.5463, 0.8459,
6.8595

184.5256,
152.9140, 265.6247

 0.9187, 0.0000,
3.2973

225.4843,

 0.0000, 0.0000,

189.8730, 319.9927

1.2484

272.0954,
232.3535, 381.3151

■ 0.0000, 0.0000,
0.0189

■ 0.0000, 0.0000,
0.0000

■ 37.0137, 25.5852,
62.0191

■ 37.0137, 25.5852,
62.0191

■ 34.1103, 21.2596,
61.3376

■ 40.4647, 30.9611,
62.8752

■ 31.7139, 17.9059,
60.8166


■ 44.4945, 37.4515,
63.9156


■ 29.7828, 15.4401,
60.4424


■ 49.1351, 45.1197,
65.1512

■ 28.2667, 13.7621,
60.1984


■ 54.4155, 54.0227,
66.5913


 27.0899, 12.7208,
60.0594


 60.3624, 64.2144,
68.2451

 26.9050, 12.5690,
60.0399

 67.0014, 75.7449,
70.1208

 74.3564, 88.6620,
72.2264

 76.5745, 91.2596,
72.6109

 77.8440, 91.9141,
72.6703

Harmonies

Analogous

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



29.7084, 25.5852, 85.3969



37.0137, 25.5852, 62.0191



41.1156, 25.5852, 34.7923

Triad

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



37.0137, 25.5852, 62.0191



26.6320, 25.5852, 3.9559



13.3560, 25.5852, 44.9088

Complementary

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



37.0137, 25.5852, 62.0191



33.7199, 50.1998, 21.8234

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.



12.8608, 25.5852, 21.9122



37.0137, 25.5852, 62.0191



19.6225, 25.5852, 4.5679

Square

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



37.0137, 25.5852, 62.0191



34.3758, 25.5852, 6.7767



14.9184, 25.5852, 9.3219



16.4425, 25.5852, 72.5390

Rectangle

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



37.0137, 25.5852, 62.0191



41.0105, 25.5852, 20.9021



14.9184, 25.5852, 9.3219



12.9093, 25.5852, 36.2075

Sweetspot

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



37.0146, 25.5863, 62.0197



82.1217, 77.9706, 105.3293



24.9163, 22.8107, 62.1216



17.1915, 16.0406, 22.4400



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.



37.0146, 25.5863, 62.0197



54.5007, 33.8315, 98.2654



38.9264, 26.9561, 44.7473



12.0695, 11.8847, 14.9015



17.0298, 7.9595, 37.8313



1.0125, 0.4761, 2.1181

Inverse Universe

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



34.8214, 25.3141, 23.1306



51.0005, 33.5932, 27.3427



32.8925, 49.5582, 31.5002



11.9040, 11.8464, 12.7704



16.4962, 8.4713, 2.2534



0.9512, 0.4852, 0.2778

Previews

White Background



This preview shows how the XYZ color 37.0137, 25.5852, 62.0191 looks on a white background.

Color Contrast Check

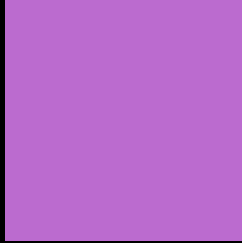
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0137, 25.5852, 62.0191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

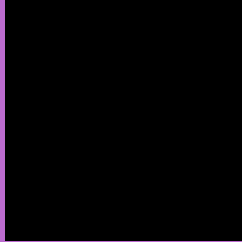
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0137, 25.5852, 62.0191

Background



This preview shows how black text looks on a background with the XYZ color 37.0137, 25.5852, 62.0191.

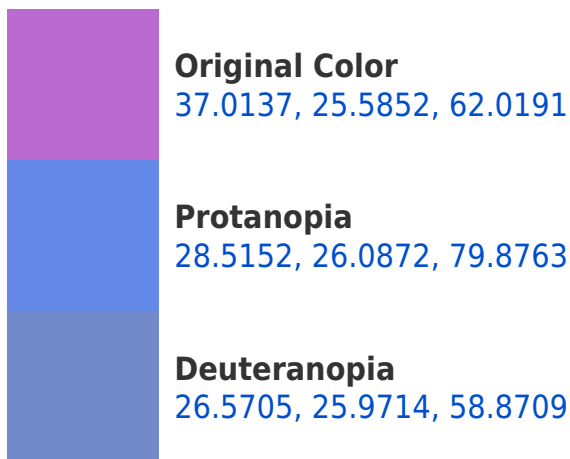


This preview shows how white text looks on a background with the XYZ color 37.0137, 25.5852,

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

29.6422, 25.4836, 25.9108

Trichromacy



Original Color

37.0137, 25.5852, 62.0191



Protanomaly

30.0130, 24.8202, 73.0210



Deuteranomaly

29.3534, 25.1533, 59.8079



Tritanomaly

31.9675, 25.3538, 36.9271

Monochromacy



Original Color

37.0137, 25.5852, 62.0191



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

28.8337, 25.7228, 39.5217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0137, 25.5852, 62.0191 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(187, 107, 207)` looks like.

```
.text, #text, p{  
    color:rgb(187, 107, 207)  
}
```

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(187, 107, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 107, 207) }
```

Border

The CSS property to change the border of an element to XYZ 37.0137, 25.5852, 62.0191 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(187, 107, 207) }
```


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

```
.border{ border-color:rgb(187, 107, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 107, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 107, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 107, 207);  
box-shadow:4px 4px 4px 4px rgb(187, 107,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0137, 25.5852, 62.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 107, 207) }
```

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

```
.background{ background-color: rgb(187,  
107, 207) }
```

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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