

Converting Colors

XYZ(36.9948, 25.1535, 65.8569)

Have a look what the booklet for
XYZ(36.9948, 25.1535, 65.8569)
contains.

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Color

**XYZ(37.0694, 25.2215,
65.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	B969D5
RGB	185, 105, 213
RGB Percent	73%, 41%, 84%
CMY	0.2745, 0.5882, 0.1647
CMYK	0.13, 0.51, 0.00, 0.16
HSL	284°, 56%, 62%
HSV	284°, 51%, 84%
XYZ	37.0694, 25.2215, 65.8653
YIQ	141.2320, 13.0120, 50.5480

Conversions

Conversions Part 2

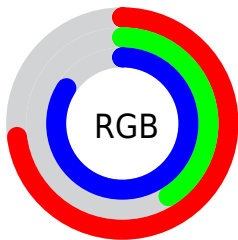
Format	Color
R _{YB}	185, 105, 213
Decimal	12151253
CIE _{Lab}	57.29, 49.40, -42.78
CIE _{LCh}	57, 65.353, 319.107
Yxy	25.2215, 0.2893, 0.1968
Android (android.graphics.Color)	4290341333 (0xFFB969D5)
YUV	141.2320, 35.3816, 38.3845
Hunter-Lab	50.2210, 43.8686, -42.6047

Details

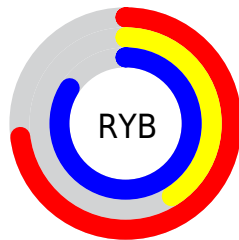
The XYZ color **37.0694, 25.2215, 65.8653** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.0176, 53.5956, 21.8122**, and the grayscale version is **25.2712, 26.5873, 28.9535**.

A 20% lighter version of the original color is **67.4103, 51.0710, 100.9125**, and **16.4979, 9.6820, 33.3470** is the 20% darker color. If you saturate the color by 10%, you get **33.8592, 20.7398, 65.1698**, and if you desaturate by 10%, it is **40.8764, 30.8184, 66.7454**.

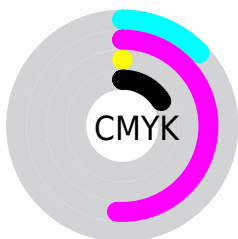
Distribution



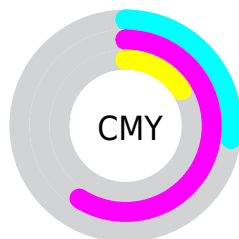
- Red (73%)
- Green (41%)
- Blue (84%)



- Red (73%)
- Yellow (41%)
- Blue (84%)



- Cyan (13%)
- Magenta (51%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (59%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0694, 25.2215, 65.8653 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 37.0694, 25.2215, 65.8653 by changing the saturation by 10% instead.

37.0694, 25.2215,
65.8653

37.0694, 25.2215,
65.8653

324.9612,
278.9392, 464.2861

25.4352, 16.2422,
47.7073

69.9926, 52.0163,
114.9181

16.5320, 9.6957,
33.2368

92.0124, 70.6006,
146.6500

9.9946, 5.1976,
22.0353

118.2246, 93.1553,
183.7436

5.4576, 2.3637,
13.6843

148.9947,
120.0649, 226.6175

2.5557, 0.8071,
7.7652

184.6881,
151.7136, 275.6901

0.9234, 0.0000,
3.8594

225.6701,

0.0000, 0.0000,

188.4860, 331.3800

1.5486

272.3060,
230.7664, 394.1058

■ 0.0000, 0.0000,
0.2537

■ 0.0000, 0.0000,
0.0000

■ 37.0694, 25.2215,
65.8653

■ 37.0694, 25.2215,
65.8653

■ 33.8592, 20.7398,
65.1698

■ 40.8764, 30.8184,
66.7454

■ 31.2011, 17.2872,
64.6435

■ 45.3152, 37.6018,
67.8207

■ 29.0482, 14.7699,
64.2711

■ 50.4209, 45.6407,
69.1033

■ 27.3436, 13.0749,
64.0338

■ 56.2254, 54.9979,
70.6035

■ 26.0675, 12.0509,
63.9034

■ 62.7583, 65.7317,
72.3310

■ 70.0475, 77.8973,
74.2950

■ 78.1194, 91.5464,
76.5041

■ 80.1406, 93.0116,
76.6804

■ 81.9327, 93.9355,
76.7643

Harmonies

Analogous

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



29.1796, 25.2215, 90.6037



37.0694, 25.2215, 65.8653



41.7509, 25.2215, 36.3262

Triad

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



37.0694, 25.2215, 65.8653



26.8951, 25.2215, 3.2732



12.4832, 25.2215, 43.9039

Complementary

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



37.0694, 25.2215, 65.8653



36.0176, 53.5956, 21.8122

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.



12.1295, 25.2215, 20.1715



37.0694, 25.2215, 65.8653



19.4246, 25.2215, 3.6709

Square

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



37.0694, 25.2215, 65.8653



35.0905, 25.2215, 6.2040



14.3927, 25.2215, 7.9465



15.4921, 25.2215, 73.9052

Rectangle

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



37.0694, 25.2215, 65.8653



41.8675, 25.2215, 21.2547



14.3927, 25.2215, 7.9465



12.0785, 25.2215, 34.7734

Sweetspot

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



37.0703, 25.2226, 65.8659



80.4838, 76.1444, 105.0631



26.3343, 24.8033, 66.3508



16.8318, 15.6619, 22.3859



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.



37.0703, 25.2226, 65.8659



50.4830, 30.6268, 97.8586



41.5484, 27.8724, 50.6548



12.6242, 12.4632, 15.6778



16.0229, 7.4126, 39.0394



1.0416, 0.4859, 2.3582

Inverse Universe

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



36.7265, 25.9436, 25.2630



50.4618, 32.1561, 28.2719



33.6634, 52.2095, 29.4938



12.5541, 12.4731, 13.5921



17.2221, 8.8252, 3.2076



1.0728, 0.5459, 0.3727

Previews

White Background



This preview shows how the XYZ color 37.0694, 25.2215, 65.8653 looks on a white background.

Color Contrast Check

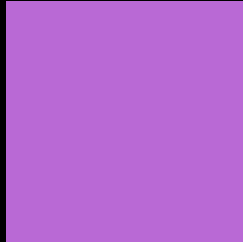
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0694, 25.2215, 65.8653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

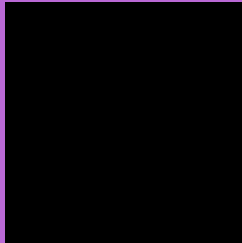
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0694, 25.2215, 65.8653

Background



This preview shows how black text looks on a background with the XYZ color 37.0694, 25.2215, 65.8653.



This preview shows how white text looks on a background with the XYZ color 37.0694, 25.2215,

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

37.0694, 25.2215, 65.8653

Protanopia

28.5677, 25.5656, 85.8671

Deuteranopia

26.1520, 25.4605, 62.5675



Tritanopia

28.7443, 25.0208, 25.8688

Trichromacy



Original Color

37.0694, 25.2215, 65.8653



Protanomaly

29.8233, 24.2391, 77.9697



Deuteranomaly

28.8339, 24.4216, 63.5157



Tritanomaly

31.1036, 24.7140, 37.7813

Monochromacy



Original Color

37.0694, 25.2215, 65.8653



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

28.5989, 25.3965, 39.9539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0694, 25.2215, 65.8653 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(185, 105, 213)` looks like.

```
.text, #text, p{  
    color:rgb(185, 105, 213)  
}
```

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(185, 105, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 105, 213) }
```

Border

The CSS property to change the border of an element to XYZ 37.0694, 25.2215, 65.8653 is called "border". The border property can be set on classes, ids or directly on the HTML element.

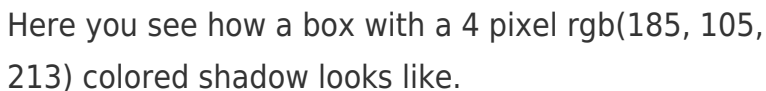
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 105, 213) }
```


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

```
.border{ border-color:rgb(185, 105, 213) }
```

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



Here you see how a box with a 4 pixel rgb(185, 105, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 105, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 105, 213);  
box-shadow:4px 4px 4px 4px rgb(185, 105,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0694, 25.2215, 65.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 105, 213) }
```

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

```
.background{ background-color: rgb(185,  
105, 213) }
```

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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