

Converting Colors

XYZ(37.8949, 36.3779, 58.0299)

Have a look what the booklet for
XYZ(37.8949, 36.3779, 58.0299)
contains.

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Color

**XYZ(37.8609, 36.2522,
57.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	A69DC5
RGB	166, 157, 197
RGB Percent	65%, 62%, 77%
CMY	0.3490, 0.3843, 0.2274
CMYK	0.16, 0.20, 0.00, 0.23
HSL	253°, 26%, 69%
HSV	253°, 20%, 77%
XYZ	37.8609, 36.2522, 57.8252
YIQ	164.2510, -7.4760, 14.3480

Conversions

Conversions Part 2

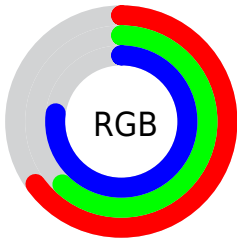
Format	Color
RYB	166, 157, 197
Decimal	10919365
CIELab	66.71, 11.37, -19.36
CIELCh	67, 22.450, 300.441
Yxy	36.2522, 0.2870, 0.2748
Android (android.graphics.Color)	4289109445 (0xFFA69DC5)
YUV	164.2510, 16.1453, 1.5339
Hunter-Lab	60.2098, 6.8765, -14.7950

Details

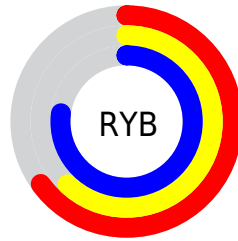
The XYZ color **37.8609, 36.2522, 57.8252** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.7924, 53.0591, 39.6752**, and the grayscale version is **35.3351, 37.1753, 40.4839**.

A 20% lighter version of the original color is **71.2517, 69.6149, 103.4476**, and **17.0514, 15.8686, 28.1508** is the 20% darker color. If you saturate the color by 10%, you get **31.7801, 28.5629, 56.6621**, and if you desaturate by 10%, it is **44.8613, 45.2152, 59.1868**.

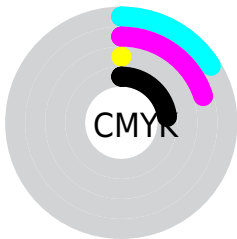
Distribution



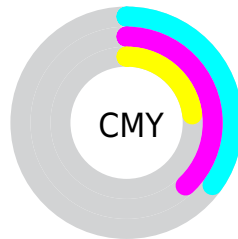
- Red (65%)
- Green (62%)
- Blue (77%)



- Red (65%)
- Yellow (62%)
- Blue (77%)



- Cyan (16%)
- Magenta (20%)
- Yellow (0%)
- Black (23%)



- Cyan (35%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8609, 36.2522, 57.8252 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 37.8609, 36.2522, 57.8252 by changing the saturation by 10% instead.

■ 37.8609, 36.2522,
57.8252

■ 37.8609, 36.2522,
57.8252

328.3141,
330.0615, 434.1143

■ 26.0515, 24.6290,
41.2544

■ 71.2002, 69.4212,
103.1805

■ 16.9950, 15.8009,
28.1967

■ 93.4607, 91.7357,
132.8021

■ 10.3262, 9.3834,
18.2337

119.9357,
118.3829, 167.6110

■ 5.6797, 4.9921,
10.9467

150.9904,
149.7471, 208.0258

■ 2.6901, 2.2426,
5.9173

186.9902,
186.2126, 254.4649

■ 0.9921, 0.7431,
2.7269

228.3006,

■ 0.0000, 0.0000,

228.1639, 307.3471

0.9569

275.2867,
275.9855, 367.0907

■ 0.0000, 0.0000,
0.0000

■ 37.8609, 36.2522,
57.8252

■ 37.8609, 36.2522,
57.8252

■ 31.7801, 28.5629,
56.6621

■ 44.8613, 45.2152,
59.1868

■ 26.5767, 22.0846,
55.6859

■ 52.8146, 55.5017,
60.7532

■ 22.2099, 16.7558,
54.8875

■ 61.7564, 67.1647,
62.5331

■ 18.6343, 12.5079,
54.2560

■ 71.7195, 80.2526,
64.5342

■ 15.8002, 9.2650,
53.7795

■ 82.5740, 94.4893,
66.7100

■ 13.6516, 6.9409,
53.4441

■ 87.0782, 96.8113,
66.9208

■ 12.1238, 5.4341,
53.2338

■ 11.1306, 4.5738,
53.1201

Harmonies

Analogous

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



34.5067, 36.2522, 61.2029



37.8609, 36.2522, 57.8252



40.4346, 36.2522, 49.4019

Triad

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



37.8609, 36.2522, 57.8252



37.7686, 36.2522, 25.3758



28.3487, 36.2522, 39.6160

Complementary

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



37.8609, 36.2522, 57.8252



46.7924, 53.0591, 39.6752

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.



29.0990, 36.2522, 30.9715



37.8609, 36.2522, 57.8252



34.4066, 36.2522, 23.6114

Square

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



37.8609, 36.2522, 57.8252



40.3789, 36.2522, 30.7608



31.2628, 36.2522, 25.4827



29.1437, 36.2522, 49.6909

Rectangle

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



37.8609, 36.2522, 57.8252



41.2824, 36.2522, 42.6500



31.2628, 36.2522, 25.4827



28.4280, 36.2522, 36.4568

Sweetspot

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



37.8620, 36.2537, 57.8260



86.1330, 88.4436, 107.1394



42.0384, 47.3095, 59.7399



18.2366, 18.6730, 22.8930



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.



37.8620, 36.2537, 57.8260



63.1884, 59.0619, 102.6774



42.3050, 38.5441, 58.0339



10.2762, 10.4006, 13.3834



7.3815, 3.0396, 34.9420



0.4144, 0.1774, 1.6575

Inverse Universe

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



44.1613, 39.6167, 52.8979



76.3992, 66.1194, 92.1367



42.2728, 50.7292, 39.4637



10.9770, 10.7742, 12.8624



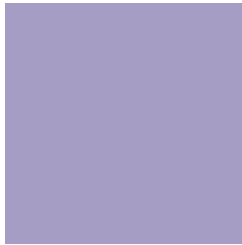
18.9426, 9.3266, 20.7053



0.9228, 0.4520, 1.1165

Previews

White Background



This preview shows how the XYZ color 37.8609, 36.2522, 57.8252 looks on a white background.

Color Contrast Check

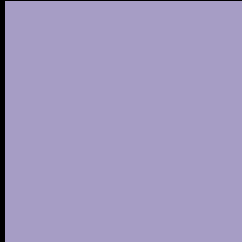
Large Text (above 18pt) WCAG AA × Fail

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 37.8609, 36.2522, 57.8252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

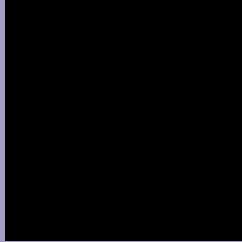
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8609, 36.2522, 57.8252

Background



This preview shows how black text looks on a background with the XYZ color 37.8609, 36.2522, 57.8252.



This preview shows how white text looks on a background with the XYZ color 37.8609, 36.2522,

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

37.8609, 36.2522, 57.8252

Protanopia

36.3071, 36.4322, 59.7621

Deuteranopia

37.1741, 36.4046, 57.8908



Tritanopia

35.2851, 36.2271, 45.1772

Trichromacy



Original Color

37.8609, 36.2522, 57.8252

Protanomaly

36.9802, 36.5342, 59.1356

Deuteranomaly

37.4092, 36.2715, 57.8527

Tritanomaly

36.1186, 36.3055, 49.3600

Monochromacy



Original Color

37.8609, 36.2522, 57.8252

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.0984, 36.6237, 46.2408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8609, 36.2522, 57.8252 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(166, 157, 197)` looks like.

```
.text, #text, p{  
    color:rgb(166, 157, 197)  
}
```

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(166, 157, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 157, 197) }
```

Border

The CSS property to change the border of an element to XYZ 37.8609, 36.2522, 57.8252 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(166, 157, 197) }
```


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

```
.border{ border-color:rgb(166, 157, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 157, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 157, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 157, 197);  
box-shadow:4px 4px 4px 4px rgb(166, 157,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8609, 36.2522, 57.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 157, 197) }
```

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

```
.background{ background-color: rgb(166,  
157, 197) }
```

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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