

Converting Colors

XYZ(37.9310, 35.7805, 69.4688)

Have a look what the booklet for
XYZ(37.9310, 35.7805, 69.4688)
contains.

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Color

**XYZ(37.8645, 35.7512,
69.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9CD7
RGB	156, 156, 215
RGB Percent	61%, 61%, 84%
CMY	0.3882, 0.3882, 0.1569
CMYK	0.27, 0.27, 0.00, 0.16
HSL	240°, 42%, 73%
HSV	240°, 27%, 84%
XYZ	37.8645, 35.7512, 69.1950
YIQ	162.7260, -18.9390, 18.3490

Conversions

Conversions Part 2

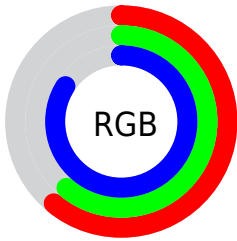
Format	Color
RYB	156, 156, 215
Decimal	10263767
CIELab	66.33, 13.04, -30.00
CIELCh	66, 32.712, 293.485
Yxy	35.7512, 0.2651, 0.2503
Android (android.graphics.Color)	4288453847 (0xFF9C9CD7)
YUV	162.7260, 25.7711, -5.8987
Hunter-Lab	59.7923, 8.4016, -26.7591

Details

The XYZ color **37.8645, 35.7512, 69.1950** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.3260, 65.4485, 41.0123**, and the grayscale version is **34.5735, 36.3740, 39.6112**.

A 20% lighter version of the original color is **68.2480, 67.3102, 104.0029**, and **16.9903, 15.5248, 35.3588** is the 20% darker color. If you saturate the color by 10%, you get **30.7725, 27.2058, 67.9200**, and if you desaturate by 10%, it is **46.3338, 45.9560, 70.7190**.

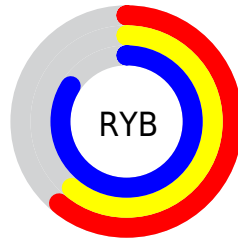
Distribution



Red (61%)

Green (61%)

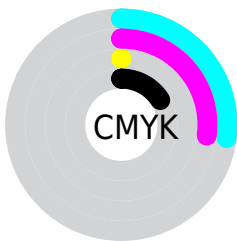
Blue (84%)



Red (61%)

Yellow (61%)

Blue (84%)

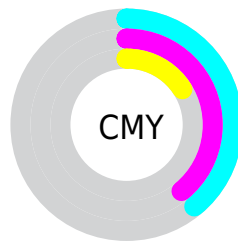


Cyan (27%)

Magenta (27%)

Yellow (0%)

Black (16%)



Cyan (39%)

Magenta (39%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8645, 35.7512, 69.1950 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 37.8645, 35.7512, 69.1950 by changing the saturation by 10% instead.

■ 37.8645, 35.7512,
69.1950

■ 37.8645, 35.7512,
69.1950

328.3293,
327.8718, 476.4310

■ 26.0543, 24.2421,
50.3978

■ 71.2056, 68.6479,
119.7304

■ 16.9971, 15.5133,
35.3562

■ 93.4673, 90.8042,
152.3056

■ 10.3277, 9.1804,
23.6516

119.9434,
117.2785, 190.3106

■ 5.6807, 4.8591,
14.8656

150.9994,
148.4550, 234.1639

■ 2.6907, 2.1648,
8.5795

187.0007,
184.7182, 284.2841

■ 0.9924, 0.7007,
4.3749

228.3125,

■ 0.0000, 0.0000,

226.4525, 341.0896

1.8332

275.3002,
274.0422, 404.9991

■ 0.0000, 0.0000,
0.4497

■ 0.0000, 0.0000,
0.0000

■ 37.8645, 35.7512,
69.1950

■ 37.8645, 35.7512,
69.1950

■ 30.7725, 27.2058,
67.9200

■ 46.3338, 45.9560,
70.7190

■ 24.9818, 20.2284,
66.8784

■ 56.2439, 57.8970,
72.5015

■ 20.4143, 14.7248,
66.0568

■ 67.6588, 71.6512,
74.5547

■ 16.9822, 10.5894,
65.4395

■ 80.6377, 87.2898,
76.8892

■ 14.5863, 7.7024,
65.0086

■ 89.2659, 97.6863,
78.4412

■ 13.1100, 5.9235,
64.7430

■ 12.3945, 5.0614,
64.6143

■ 12.2659, 4.9064,
64.5912

Harmonies

Analogous

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



32.9253, 35.7512, 72.2553



37.8645, 35.7512, 69.1950



42.1062, 35.7512, 57.2372

Triad

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



37.8645, 35.7512, 69.1950



39.8844, 35.7512, 21.0562



25.4730, 35.7512, 35.9525

Complementary

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



37.8645, 35.7512, 69.1950



58.3260, 65.4485, 41.0123

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.



26.9737, 35.7512, 25.0086



37.8645, 35.7512, 69.1950



35.0579, 35.7512, 17.8432

Square

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



37.8645, 35.7512, 69.1950



43.3483, 35.7512, 29.1569



30.3715, 35.7512, 19.0933



26.0699, 35.7512, 50.6669

Rectangle

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



37.8645, 35.7512, 69.1950



43.8096, 35.7512, 47.0895



30.3715, 35.7512, 19.0933



25.7438, 35.7512, 31.7668

Sweetspot

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



37.8657, 35.7526, 69.1958



81.7730, 84.0022, 106.5119



50.1513, 60.5255, 72.6695



17.0031, 17.3779, 22.7081



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.



37.8657, 35.7526, 69.1958



49.3468, 44.9308, 100.6794



44.0463, 38.9386, 69.4850



11.7427, 12.0088, 15.6365



7.3364, 2.9346, 38.6329



0.4425, 0.1770, 2.3302

Inverse Universe

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



45.9145, 40.6254, 36.8756



63.1111, 53.2638, 45.4085



50.6694, 61.5017, 40.6541



12.4233, 12.4208, 12.9034



16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 37.8645, 35.7512, 69.1950 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 37.8645, 35.7512, 69.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

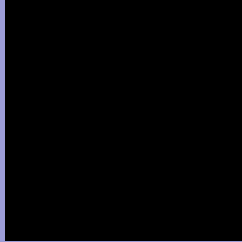
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8645, 35.7512, 69.1950

Background



This preview shows how black text looks on a background with the XYZ color 37.8645, 35.7512, 69.1950.



This preview shows how white text looks on a background with the XYZ color 37.8645, 35.7512,

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

37.8645, 35.7512, 69.1950

Protanopia

36.4241, 35.7353, 70.6235

Deuteranopia

36.5684, 35.8544, 68.6116



Tritanopia

33.1464, 35.6249, 46.2036

Trichromacy



Original Color

37.8645, 35.7512, 69.1950

Protanomaly

36.8343, 35.7075, 69.9166

Deuteranomaly

36.9421, 35.7928, 68.5800

Tritanomaly

34.6276, 35.4386, 53.7305

Monochromacy



Original Color

37.8645, 35.7512, 69.1950

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.5115, 35.9926, 49.3316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8645, 35.7512, 69.1950 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(156, 156, 215)` looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 215)  
}
```

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(156, 156, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 215) }
```

Border

The CSS property to change the border of an element to XYZ 37.8645, 35.7512, 69.1950 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(156, 156, 215) }
```


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

```
.border{ border-color:rgb(156, 156, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 156, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 156, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 156, 215); box-shadow:4px 4px 4px 4px rgb(156, 156, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8645, 35.7512, 69.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 156, 215) }
```

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

```
.background{ background-color: rgb(156,  
156, 215) }
```

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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