

Converting Colors

XYZ(37.7295, 36.2241, 72.1588)

Have a look what the booklet for
XYZ(37.7295, 36.2241, 72.1588)
contains.

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Color

**XYZ(37.5907, 36.0522,
71.9954)**

Conversions

Conversions Part 1

Format	Color
Hex	969EDB
RGB	150, 158, 219
RGB Percent	59%, 62%, 86%
CMY	0.4118, 0.3804, 0.1412
CMYK	0.32, 0.28, 0.00, 0.14
HSL	233°, 49%, 72%
HSV	233°, 32%, 86%
XYZ	37.5907, 36.0522, 71.9954
YIQ	162.5620, -24.3490, 17.2750

Conversions

Conversions Part 2

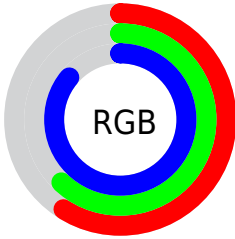
Format	Color
RYB	150, 157, 219
Decimal	9871067
CIELab	66.56, 11.15, -31.89
CIELCh	67, 33.788, 289.276
Yxy	36.0522, 0.2581, 0.2475
Android (android.graphics.Color)	4288061147 (0xFF969EDB)
YUV	162.5620, 27.8239, -11.0169
Hunter-Lab	60.0435, 6.6752, -29.0615

Details

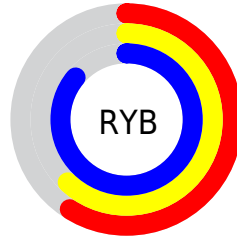
The XYZ color **37.5907, 36.0522, 71.9954** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.0135, 63.8513, 38.1223**, and the grayscale version is **34.4889, 36.2850, 39.5143**.

A 20% lighter version of the original color is **67.2978, 67.9303, 104.1726**, and **16.8883, 15.7371, 37.2694** is the 20% darker color. If you saturate the color by 10%, you get **30.8848, 28.0735, 70.8094**, and if you desaturate by 10%, it is **45.5724, 45.4625, 73.3917**.

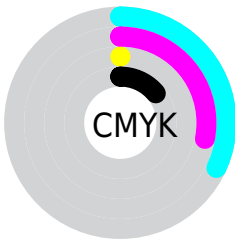
Distribution



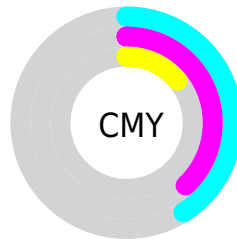
- Red (59%)
- Green (62%)
- Blue (86%)



- Red (59%)
- Yellow (62%)
- Blue (86%)



- Cyan (32%)
- Magenta (28%)
- Yellow (0%)
- Black (14%)



- Cyan (41%)
- Magenta (38%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5907, 36.0522, 71.9954 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 37.5907, 36.0522, 71.9954 by changing the saturation by 10% instead.

■ 37.5907, 36.0522,
71.9954

■ 37.5907, 36.0522,
71.9954

327.1722,
329.1886, 486.5027

■ 25.8409, 24.4745,
52.6681

■ 70.7883, 69.1126,
123.7577

■ 16.8367, 15.6860,
37.1520

■ 92.9669, 91.3642,
157.0297

■ 10.2127, 9.3022,
25.0285

119.3524,
117.9424, 195.7870

■ 5.6036, 4.9388,
15.8791

150.3103,
149.2318, 240.4483

■ 2.6439, 2.2114,
9.2852

186.2058,
185.6168, 291.4319

■ 0.9684, 0.7262,
4.8283

227.4044,

■ 0.0000, 0.0000,

227.4816, 349.1565

2.0899

274.2714,
275.2108, 414.0406

■ 0.0000, 0.0000,
0.6098

■ 0.0000, 0.0000,
0.0000

■ 37.5907, 36.0522,
71.9954

■ 37.5907, 36.0522,
71.9954

■ 30.8848, 28.0735,
70.8094

■ 45.5724, 45.4625,
73.3917

■ 25.3847, 21.4519,
69.8212

■ 54.8878, 56.3655,
75.0052

■ 21.0192, 16.1124,
69.0207

■ 65.5954, 68.8239,
76.8456

■ 17.7081, 11.9713,
68.3959

■ 77.7495, 82.8958,
78.9212

■ 15.3604, 8.9345,
67.9335

■ 89.7249, 97.7717,
81.1613

■ 13.8694, 6.8935,
67.6181

■ 89.7863, 97.8945,
81.1818

■ 13.1424, 5.8267,
67.4505

Harmonies

Analogous

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



32.4821, 36.0522, 73.6239



37.5907, 36.0522, 71.9954



42.2088, 36.0522, 60.4626

Triad

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



37.5907, 36.0522, 71.9954



41.0372, 36.0522, 21.6522



25.5432, 36.0522, 34.2793

Complementary

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



37.5907, 36.0522, 71.9954



58.0135, 63.8513, 38.1223

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.



27.3889, 36.0522, 23.6957



37.5907, 36.0522, 71.9954



36.1151, 36.0522, 17.6968

Square

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



37.5907, 36.0522, 71.9954



44.3305, 36.0522, 30.7310



31.1444, 36.0522, 18.3387



25.8541, 36.0522, 49.2246

Rectangle

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



37.5907, 36.0522, 71.9954



44.2303, 36.0522, 50.0010



31.1444, 36.0522, 18.3387



25.9242, 36.0522, 30.1703

Sweetspot

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



37.5919, 36.0536, 71.9962



80.9706, 83.6355, 106.4834



49.6618, 61.8486, 70.9165



16.8770, 17.3722, 22.7136



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.



37.5919, 36.0536, 71.9962



46.4206, 43.0001, 100.4610



41.7001, 36.2111, 71.8101



12.4597, 12.8591, 16.4775



7.8336, 3.5367, 40.0082



0.5489, 0.3120, 2.6057

Inverse Universe

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



46.2924, 39.3426, 37.5031



60.6769, 48.6250, 43.8889



52.7152, 64.1443, 38.4581



13.1171, 13.0760, 13.8781



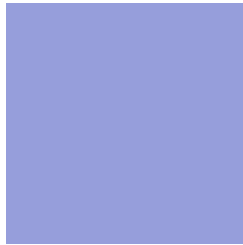
17.4494, 8.9808, 1.4805



1.1514, 0.5902, 0.2061

Previews

White Background



This preview shows how the XYZ color 37.5907, 36.0522, 71.9954 looks on a white background.

Color Contrast Check

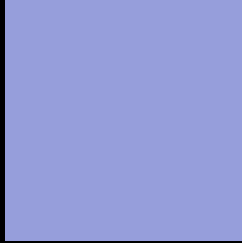
Large Text (above 18pt) WCAG AA × Fail

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 37.5907, 36.0522, 71.9954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

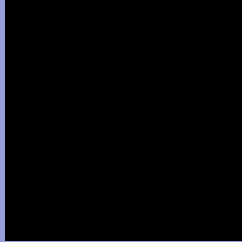
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5907, 36.0522, 71.9954

Background



This preview shows how black text looks on a background with the XYZ color 37.5907, 36.0522, 71.9954.



This preview shows how white text looks on a background with the XYZ color 37.5907, 36.0522,

71.9954.

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

37.5907, 36.0522, 71.9954

Protanopia

36.9907, 36.2382, 72.7552

Deuteranopia

36.8614, 35.9305, 72.0103



Tritanopia

32.7574, 36.1898, 47.9067

Trichromacy



Original Color

37.5907, 36.0522, 71.9954

Protanomaly

37.1705, 36.0746, 72.7141

Deuteranomaly

37.2169, 36.1138, 72.0269

Tritanomaly

34.3364, 36.0187, 56.1815

Monochromacy



Original Color

37.5907, 36.0522, 71.9954

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.3927, 36.1777, 49.9174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5907, 36.0522, 71.9954 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(150, 158, 219)` looks like.

```
.text, #text, p{  
    color:rgb(150, 158, 219)  
}
```

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(150, 158, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 158, 219) }
```

Border

The CSS property to change the border of an element to XYZ 37.5907, 36.0522, 71.9954 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(150, 158, 219) }
```


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

```
.border{ border-color:rgb(150, 158, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 158, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 158, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 158, 219);  
box-shadow:4px 4px 4px 4px rgb(150, 158,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5907, 36.0522, 71.9954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 158, 219) }
```

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

```
.background{ background-color: rgb(150,  
158, 219) }
```

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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