

Converting Colors

XYZ(37.6883, 34.7428, 72.8676)

Have a look what the booklet for
XYZ(37.6883, 34.7428, 72.8676)
contains.

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Color

**XYZ(37.7688, 34.8729,
73.1471)**

Conversions

Conversions Part 1

Format	Color
Hex	9A99DD
RGB	154, 153, 221
RGB Percent	60%, 60%, 87%
CMY	0.3961, 0.4000, 0.1333
CMYK	0.30, 0.31, 0.00, 0.13
HSL	241°, 50%, 73%
HSV	241°, 31%, 87%
XYZ	37.7688, 34.8729, 73.1471
YIQ	161.0510, -21.2320, 21.3600

Conversions

Conversions Part 2

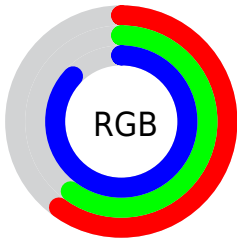
Format	Color
RYB	154, 153, 221
Decimal	10131933
CIELab	65.65, 15.66, -34.39
CIELCh	66, 37.784, 294.479
Yxy	34.8729, 0.2591, 0.2392
Android (android.graphics.Color)	4288322013 (0xFF9A99DD)
YUV	161.0510, 29.5549, -6.1837
Hunter-Lab	59.0533, 10.8203, -32.1030

Details

The XYZ color **37.7688, 34.8729, 73.1471** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.1220, 69.2291, 40.2793**, and the grayscale version is **33.7750, 35.5339, 38.6965**.

A 20% lighter version of the original color is **66.9412, 65.5473, 103.7315**, and **17.0011, 15.0226, 38.0800** is the 20% darker color. If you saturate the color by 10%, you get **30.7060, 26.3510, 71.8751**, and if you desaturate by 10%, it is **46.2557, 45.1248, 74.6792**.

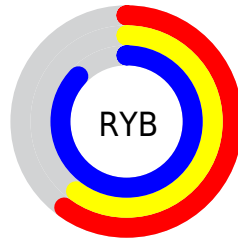
Distribution



Red (60%)

Green (60%)

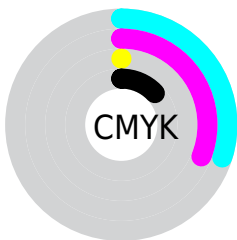
Blue (87%)



Red (60%)

Yellow (60%)

Blue (87%)

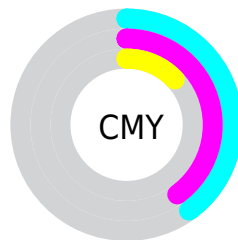


Cyan (30%)

Magenta (31%)

Yellow (0%)

Black (13%)



Cyan (40%)

Magenta (40%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7688, 34.8729, 73.1471 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 37.7688, 34.8729, 73.1471 by changing the saturation by 10% instead.

■ 37.7688, 34.8729,
73.1471

■ 37.7688, 34.8729,
73.1471

327.9252,
324.0070, 490.6089

■ 25.9797, 23.5650,
53.6037

■ 71.0598, 67.2888,
125.4089

■ 16.9411, 15.0112,
37.8939

■ 93.2924, 89.1656,
158.9643

■ 10.2875, 8.8273,
25.5992

119.7369,
115.3342, 198.0275

■ 5.6537, 4.6287,
16.3009

150.7587,
146.1789, 243.0170

■ 2.6743, 2.0311,
9.5807

186.7230,
182.0841, 294.3514

■ 0.9840, 0.6254,
5.0199

227.9953,

■ 0.0000, 0.0000,

223.4343, 352.4491

2.2000

274.9409,
270.6137, 417.7288

■ 0.0000, 0.0000,
0.6744

■ 0.0000, 0.0000,
0.0000

■ 37.7688, 34.8729,
73.1471

■ 37.7688, 34.8729,
73.1471

■ 30.7060, 26.3510,
71.8751

■ 46.2557, 45.1248,
74.6792

■ 24.9858, 19.4599,
70.8464

■ 56.2347, 57.1904,
76.4822

■ 20.5244, 14.0968,
70.0464

■ 67.7742, 71.1529,
78.5690

■ 17.2269, 10.1455,
69.4575

■ 80.9369, 87.0890,
80.9512

■ 14.9850, 7.4731,
69.0599

■ 90.0513, 98.0005,
82.5770

■ 13.6701, 5.9215,
68.8297

■ 13.0920, 5.2415,
68.7289

Harmonies

Analogous

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



32.1291, 34.8729, 77.2568



37.7688, 34.8729, 73.1471



42.6158, 34.8729, 58.6484

Triad

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



37.7688, 34.8729, 73.1471



39.7431, 34.8729, 18.1267



23.6147, 34.8729, 35.1043

Complementary

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



37.7688, 34.8729, 73.1471



61.1220, 69.2291, 40.2793

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.



25.1939, 34.8729, 22.8331



37.7688, 34.8729, 73.1471



34.1835, 34.8729, 14.9446

Square

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



37.7688, 34.8729, 73.1471



43.8419, 34.8729, 26.6589



28.9160, 34.8729, 16.3885



24.3481, 34.8729, 52.1002

Rectangle

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



37.7688, 34.8729, 73.1471



44.5326, 34.8729, 46.7538



28.9160, 34.8729, 16.3885



23.8868, 34.8729, 30.3627

Sweetspot

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



37.7700, 34.8743, 73.1479



80.3254, 82.1821, 106.2369



52.0453, 63.7064, 77.9607



16.7198, 17.0180, 22.6535



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.



37.7700, 34.8743, 73.1479



45.6418, 40.2729, 99.9756



44.9369, 38.5689, 73.4833



12.3563, 12.6263, 16.4380



7.6135, 3.0491, 39.9257



0.4996, 0.2008, 2.5869

Inverse Universe

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



54.1291, 43.3230, 73.2198



71.7511, 53.7585, 100.0352



52.1007, 64.5784, 39.8571



13.6057, 13.2714, 16.4508



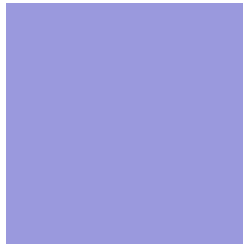
24.6585, 11.8644, 39.4431



1.6002, 0.7697, 2.5696

Previews

White Background



This preview shows how the XYZ color 37.7688, 34.8729, 73.1471 looks on a white background.

Color Contrast Check

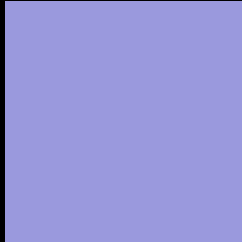
Large Text (above 18pt) WCAG AA × Fail

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 37.7688, 34.8729, 73.1471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

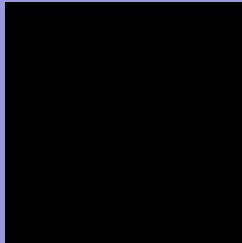
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7688, 34.8729, 73.1471

Background



This preview shows how black text looks on a background with the XYZ color 37.7688, 34.8729, 73.1471.



This preview shows how white text looks on a background with the XYZ color 37.7688, 34.8729,

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

37.7688, 34.8729, 73.1471

Protanopia

36.1590, 34.9847, 75.3680

Deuteranopia

35.7905, 34.8567, 72.5518



Tritanopia

32.1598, 34.8651, 45.5921

Trichromacy



Original Color

37.7688, 34.8729, 73.1471

Protanomaly

36.7093, 35.0339, 74.6395

Deuteranomaly

36.4838, 34.9640, 72.5360

Tritanomaly

34.1253, 34.8979, 54.8066

Monochromacy



Original Color

37.7688, 34.8729, 73.1471

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.8747, 35.1417, 49.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7688, 34.8729, 73.1471 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(154, 153, 221)` looks like.

```
.text, #text, p{  
    color:rgb(154, 153, 221)  
}
```

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(154, 153, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 153, 221) }
```

Border

The CSS property to change the border of an element to XYZ 37.7688, 34.8729, 73.1471 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(154, 153, 221) }
```


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

```
.border{ border-color:rgb(154, 153, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 153, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 153, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 153, 221);  
box-shadow:4px 4px 4px 4px rgb(154, 153,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7688, 34.8729, 73.1471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 153, 221) }
```

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

```
.background{ background-color: rgb(154,  
153, 221) }
```

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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