

Converting Colors

XYZ(37.7565, 32.8014, 73.0403)

Have a look what the booklet for
XYZ(37.7565, 32.8014, 73.0403)
contains.

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Color

**XYZ(37.7223, 32.7440,
72.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	A190DD
RGB	161, 144, 221
RGB Percent	63%, 56%, 87%
CMY	0.3686, 0.4353, 0.1333
CMYK	0.27, 0.35, 0.00, 0.13
HSL	253°, 53%, 72%
HSV	253°, 35%, 87%
XYZ	37.7223, 32.7440, 72.7387
YIQ	157.8610, -14.5850, 27.5510

Conversions

Conversions Part 2

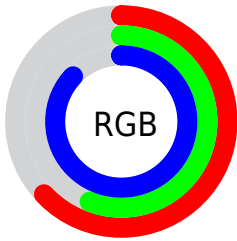
Format	Color
RYB	161, 144, 221
Decimal	10588381
CIELab	63.95, 22.82, -36.99
CIELCh	64, 43.458, 301.671
Yxy	32.7440, 0.2634, 0.2287
Android (android.graphics.Color)	4288778461 (0xFFA190DD)
YUV	157.8610, 31.1275, 2.7529
Hunter-Lab	57.2224, 17.5321, -35.3113

Details

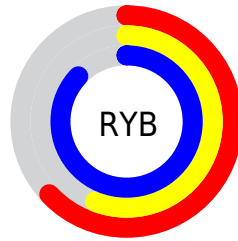
The XYZ color **37.7223, 32.7440, 72.7387** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.7932, 66.5646, 36.2944**, and the grayscale version is **32.3056, 33.9880, 37.0129**.

A 20% lighter version of the original color is **66.8594, 62.3599, 103.1205**, and **16.9490, 13.8844, 37.8630** is the 20% darker color. If you saturate the color by 10%, you get **31.4624, 25.0254, 71.5794**, and if you desaturate by 10%, it is **45.1177, 42.0219, 74.1403**.

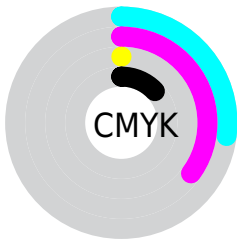
Distribution



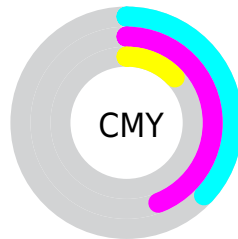
- Red (63%)
- Green (56%)
- Blue (87%)



- Red (63%)
- Yellow (56%)
- Blue (87%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)
- Black (13%)



- Cyan (37%)
- Magenta (44%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7223, 32.7440, 72.7387 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 37.7223, 32.7440, 72.7387 by changing the saturation by 10% instead.

■ 37.7223, 32.7440,
72.7387

■ 37.7223, 32.7440,
72.7387

327.7287,
314.4946, 489.1552

■ 25.9435, 21.9304,
53.2718

■ 70.9889, 63.9756,
124.8237

■ 16.9138, 13.8058,
37.6306

■ 93.2075, 85.1625,
158.2788

■ 10.2680, 7.9857,
25.3965

119.6366,
110.5759, 197.2338

■ 5.6406, 4.0858,
16.1510

150.6417,
140.6002, 242.1072

■ 2.6664, 1.7217,
9.4756

186.5881,
175.6198, 293.3174

■ 0.9799, 0.4376,
4.9516

227.8411,

■ 0.0000, 0.0000,

216.0192, 351.2832

2.1607

274.7662,
262.1826, 416.4229

■ 0.0000, 0.0000,
0.6515

■ 0.0000, 0.0000,
0.0000

■ 37.7223, 32.7440,
72.7387

■ 37.7223, 32.7440,
72.7387

■ 31.4624, 25.0254,
71.5794

■ 45.1177, 42.0219,
74.1403

■ 26.2767, 18.7755,
70.6463

■ 53.6986, 52.9352,
75.7945

■ 22.1032, 13.9000,
69.9252

■ 63.5163, 65.5597,
77.7138

■ 18.8718, 10.2920,
69.3991

■ 74.6181, 79.9652,
79.9093

■ 16.5029, 7.8281,
69.0484

■ 87.0485, 96.2177,
82.3912

■ 14.9018, 6.3591,
68.8492

■ 90.0513, 98.0005,
82.5770

■ 14.3079, 5.8683,
68.7858

Harmonies

Analogous

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



31.4668, 32.7440, 81.0945



37.7223, 32.7440, 72.7387



42.6789, 32.7440, 54.1665

Triad

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



37.7223, 32.7440, 72.7387



37.0502, 32.7440, 13.4463



20.7745, 32.7440, 36.6452

Complementary

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



37.7223, 32.7440, 72.7387



55.7932, 66.5646, 36.2944

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.



21.8662, 32.7440, 21.9262



37.7223, 32.7440, 72.7387



30.7801, 32.7440, 11.4533

Square

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



37.7223, 32.7440, 72.7387



42.2565, 32.7440, 20.7173



25.3407, 32.7440, 13.9662



22.1388, 32.7440, 56.4490

Rectangle

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



37.7223, 32.7440, 72.7387



44.2858, 32.7440, 40.7634



25.3407, 32.7440, 13.9662



20.8657, 32.7440, 30.9880

Sweetspot

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



37.7235, 32.7453, 72.7395



80.5117, 81.2200, 106.0413



46.2219, 54.4871, 76.4881



16.8262, 16.8620, 22.6178



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.



37.7235, 32.7453, 72.7395



45.5379, 37.0878, 99.3663



46.6272, 37.3354, 73.1561



12.6062, 12.7551, 16.4497



8.3914, 3.4501, 39.9621



0.6180, 0.2619, 2.5924

Inverse Universe

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



50.6920, 39.6794, 62.1147



66.2882, 48.1980, 81.6734



46.5789, 61.8145, 35.8632



13.4849, 13.2231, 15.8148



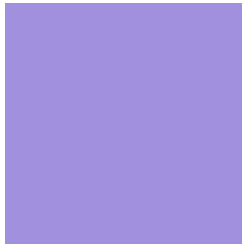
21.7036, 10.6825, 23.8828



1.4371, 0.7045, 1.7106

Previews

White Background



This preview shows how the XYZ color 37.7223, 32.7440, 72.7387 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 37.7223, 32.7440, 72.7387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

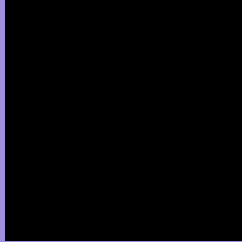
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7223, 32.7440, 72.7387

Background



This preview shows how black text looks on a background with the XYZ color 37.7223, 32.7440, 72.7387.



This preview shows how white text looks on a background with the XYZ color 37.7223, 32.7440,

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

37.7223, 32.7440, 72.7387

Protanopia

34.4377, 32.8037, 77.9155

Deuteranopia

33.6931, 32.8025, 71.5735



Tritanopia

31.4589, 32.8120, 41.2345

Trichromacy



Original Color

37.7223, 32.7440, 72.7387

Protanomaly

35.3226, 32.5939, 75.6637

Deuteranomaly

35.1523, 32.8196, 72.1922

Tritanomaly

33.5538, 32.6896, 51.5550

Monochromacy



Original Color

37.7223, 32.7440, 72.7387

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0298, 33.4896, 48.3866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7223, 32.7440, 72.7387 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(161, 144, 221)` looks like.

```
.text, #text, p{  
    color:rgb(161, 144, 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(161, 144, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 144, 221) }
```

Border

The CSS property to change the border of an element to XYZ 37.7223, 32.7440, 72.7387 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(161, 144, 221) }
```


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

```
.border{ border-color:rgb(161, 144, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 144, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 144, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 144, 221);  
box-shadow:4px 4px 4px 4px rgb(161, 144,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7223, 32.7440, 72.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 144, 221) }
```

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

```
.background{ background-color: rgb(161,  
144, 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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