

Converting Colors

XYZ(37.3730, 29.8491, 79.3930)

Have a look what the booklet for
XYZ(37.3730, 29.8491, 79.3930)
contains.

XYZ(37.3730, 29.8491, 79.3930)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.3730, 29.8491,
79.3930)**

Conversions

Conversions Part 1

Format	Color
Hex	A184E7
RGB	161, 132, 231
RGB Percent	63%, 52%, 91%
CMY	0.3686, 0.4823, 0.0941
CMYK	0.30, 0.43, 0.00, 0.09
HSL	258°, 67%, 71%
HSV	258°, 43%, 91%
XYZ	37.3730, 29.8491, 79.3930
YIQ	151.9570, -14.4950, 36.9370

Conversions

Conversions Part 2

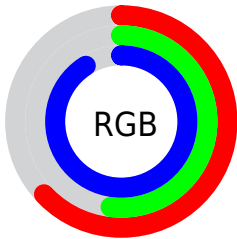
Format	Color
RYB	161, 132, 231
Decimal	10585319
CIELab	61.52, 32.15, -46.35
CIELCh	62, 56.410, 304.747
Yxy	29.8491, 0.2549, 0.2036
Android (android.graphics.Color)	4288775399 (0xFFA184E7)
YUV	151.9570, 38.9682, 7.9307
Hunter-Lab	54.6343, 26.4941, -47.9145

Details

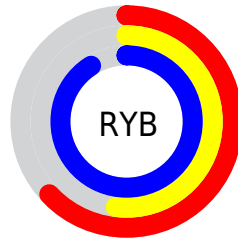
The XYZ color **37.3730, 29.8491, 79.3930** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.0984, 71.3749, 32.5981**, and the grayscale version is **29.6692, 31.2143, 33.9924**.

A 20% lighter version of the original color is **64.3124, 56.8233, 102.1861**, and **16.6990, 12.1939, 42.0310** is the 20% darker color. If you saturate the color by 10%, you get **31.5012, 22.6759, 78.3185**, and if you desaturate by 10%, it is **44.3705, 38.6332, 80.7202**.

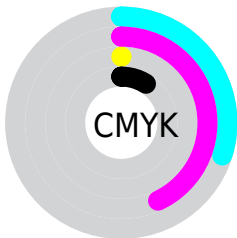
Distribution



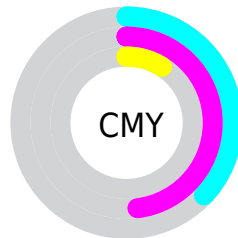
- Red (63%)
- Green (52%)
- Blue (91%)



- Red (63%)
- Yellow (52%)
- Blue (91%)



- Cyan (30%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)



- Cyan (37%)
- Magenta (48%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3730, 29.8491, 79.3930 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 37.3730, 29.8491, 79.3930 by changing the saturation by 10% instead.

37.3730, 29.8491,
79.3930

37.3730, 29.8491,
79.3930

326.2502,
301.2004, 512.5376

25.6714, 19.7241,
58.6958

70.4562, 59.4235,
134.3157

16.7094, 12.1946,
41.9499

92.5685, 79.6416,
169.3782

10.1215, 6.8764,
28.7368

118.8818,
103.9929, 210.0662

5.5425, 3.3849,
18.6379

149.7614,
132.8617, 256.7982

2.6069, 1.3358,
11.2348

185.5727,
166.6325, 309.9928

0.9495, 0.1687,
6.1088

226.6810,

0.0000, 0.0000,

205.6896, 370.0686

2.8415

273.4517,
250.4175, 437.4440

■ 0.0000, 0.0000,
1.0143

■ 0.0000, 0.0000,
0.0000

■ 37.3730, 29.8491,
79.3930

■ 37.3730, 29.8491,
79.3930

■ 31.5012, 22.6759,
78.3185

■ 44.3705, 38.6332,
80.7202

■ 26.6888, 17.0090,
77.4783

■ 52.5481, 49.1168,
82.3128

■ 22.8675, 12.7367,
76.8550

■ 61.9603, 61.3863,
84.1849

■ 19.9586, 9.7294,
76.4279

■ 72.6575, 75.5209,
86.3494

■ 17.8693, 7.8320,
76.1718

■ 84.6867, 91.5951,
88.8180

■ 16.7848, 6.9866,
76.0658

■ 91.4239, 98.5496,
89.8053

Harmonies

Analogous

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



29.5763, 29.8491, 93.1748



37.3730, 29.8491, 79.3930



43.4508, 29.8491, 53.4065

Triad

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



37.3730, 29.8491, 79.3930



34.9526, 29.8491, 7.6821



16.3256, 29.8491, 36.0260

Complementary

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



37.3730, 29.8491, 79.3930



57.0984, 71.3749, 32.5981

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.



17.2588, 29.8491, 17.9164



37.3730, 29.8491, 79.3930



27.1983, 29.8491, 6.3219

Square

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



37.3730, 29.8491, 79.3930



41.8901, 29.8491, 14.2366



20.9442, 29.8491, 9.0587



18.1265, 29.8491, 62.0474

Rectangle

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



37.3730, 29.8491, 79.3930



45.2186, 29.8491, 36.4158



20.9442, 29.8491, 9.0587



16.3333, 29.8491, 28.8766

Sweetspot

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



37.3741, 29.8502, 79.3937



77.2678, 76.4653, 105.2946



45.2845, 53.3642, 83.5154



15.9514, 15.5974, 22.4198



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.



37.3741, 29.8502, 79.3937



40.4911, 29.6660, 98.1997



49.1263, 35.9087, 79.9437



13.9776, 14.0907, 18.1274



9.5173, 3.9723, 42.6483



0.7936, 0.3401, 3.1558

Inverse Universe

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



51.8676, 37.7566, 60.4314



61.0791, 40.9193, 70.2587



45.9636, 65.6347, 32.0770



14.8057, 14.5395, 17.1774



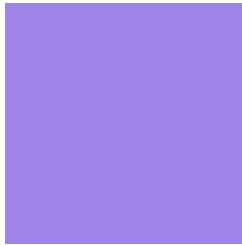
22.2545, 11.0360, 20.7671



1.6846, 0.8315, 1.7456

Previews

White Background



This preview shows how the XYZ color 37.3730, 29.8491, 79.3930 looks on a white background.

Color Contrast Check

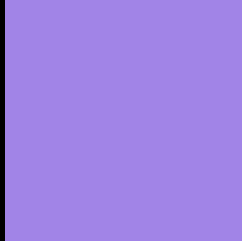
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3730, 29.8491, 79.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

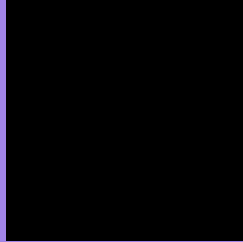
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3730, 29.8491, 79.3930

Background



This preview shows how black text looks on a background with the XYZ color 37.3730, 29.8491, 79.3930.



This preview shows how white text looks on a background with the XYZ color 37.3730, 29.8491,

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

37.3730, 29.8491, 79.3930

Protanopia

32.7335, 30.0369, 88.8665

Deuteranopia

30.9002, 30.0325, 77.5670



Tritanopia

28.8805, 29.8861, 37.0473

Trichromacy



Original Color

37.3730, 29.8491, 79.3930

Protanomaly

34.0113, 29.6553, 85.5928

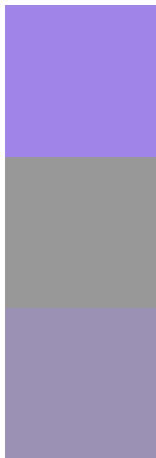
Deuteranomaly

32.7179, 29.5923, 78.1162

Tritanomaly

31.3789, 29.5242, 49.9438

Monochromacy



Original Color

37.3730, 29.8491, 79.3930

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.9835, 30.5556, 47.9282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3730, 29.8491, 79.3930 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, 132, 231)` looks like.

```
.text, #text, p{  
    color:rgb(161, 132, 231)  
}
```

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, 132, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 132, 231) }
```

Border

The CSS property to change the border of an element to XYZ 37.3730, 29.8491, 79.3930 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, 132, 231) }
```


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

```
.border{ border-color:rgb(161, 132, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 132, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 132, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 132, 231);  
box-shadow:4px 4px 4px 4px rgb(161, 132,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3730, 29.8491, 79.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 132, 231) }
```

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

```
.background{ background-color: rgb(161,  
132, 231) }
```

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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