

Converting Colors

XYZ(37.5471, 35.1874, 71.2035)

Have a look what the booklet for
XYZ(37.5471, 35.1874, 71.2035)
contains.

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Color

**XYZ(37.5131, 35.2769,
71.1616)**

Conversions

Conversions Part 1

Format	Color
Hex	999BDA
RGB	153, 155, 218
RGB Percent	60%, 61%, 85%
CMY	0.4000, 0.3921, 0.1451
CMYK	0.30, 0.29, 0.00, 0.15
HSL	238°, 47%, 73%
HSV	238°, 30%, 85%
XYZ	37.5131, 35.2769, 71.1616
YIQ	161.5840, -21.4150, 19.1690

Conversions

Conversions Part 2

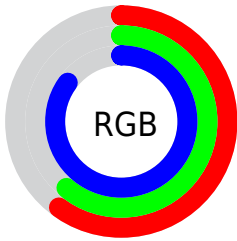
Format	Color
RYB	153, 155, 218
Decimal	10066906
CIELab	65.96, 13.47, -32.25
CIELCh	66, 34.947, 292.672
Yxy	35.2769, 0.2606, 0.2451
Android (android.graphics.Color)	4288256986 (0xFF999BDA)
YUV	161.5840, 27.8131, -7.5282
Hunter-Lab	59.3944, 8.7993, -29.4605

Details

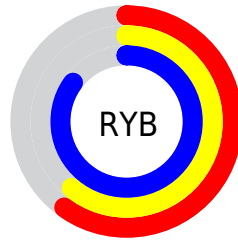
The XYZ color **37.5131, 35.2769, 71.1616** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.2199, 66.3179, 39.8178**, and the grayscale version is **34.0306, 35.8029, 38.9893**.

A 20% lighter version of the original color is **67.1450, 66.3762, 103.8807**, and **16.8167, 15.2543, 36.7084** is the 20% darker color. If you saturate the color by 10%, you get **30.5542, 26.9188, 69.9157**, and if you desaturate by 10%, it is **45.8414, 45.2558, 72.6494**.

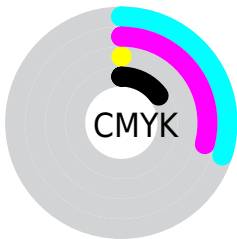
Distribution



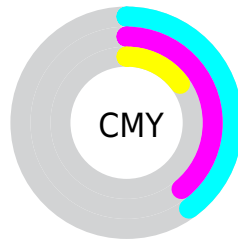
- Red (60%)
- Green (61%)
- Blue (85%)



- Red (60%)
- Yellow (61%)
- Blue (85%)



- Cyan (30%)
- Magenta (29%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (39%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5131, 35.2769, 71.1616 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 37.5131, 35.2769, 71.1616 by changing the saturation by 10% instead.

■ 37.5131, 35.2769,
71.1616

■ 37.5131, 35.2769,
71.1616

326.8437,
325.7889, 483.5170

■ 25.7805, 23.8763,
51.9914

■ 70.6700, 67.9145,
122.5604

■ 16.7913, 15.2419,
36.6161

■ 92.8249, 89.9203,
155.6261

■ 10.1802, 8.9893,
24.6169

119.1847,
116.2298, 194.1608

■ 5.5818, 4.7342,
15.5755

150.1147,
147.2276, 238.5829

■ 2.6307, 2.0922,
9.0732

185.9803,
183.2980, 289.3111

■ 0.9616, 0.6602,
4.6915

227.1467,

■ 0.0000, 0.0000,

224.8254, 346.7638

2.0118

273.9794,
272.1943, 411.3596

■ 0.0000, 0.0000,
0.5625

■ 0.0000, 0.0000,
0.0000

■ 37.5131, 35.2769,
71.1616

■ 37.5131, 35.2769,
71.1616

■ 30.5542, 26.9188,
69.9157

■ 45.8414, 45.2558,
72.6494

■ 24.8880, 20.0921,
68.8967

■ 55.6029, 56.9303,
74.3883

■ 20.4359, 14.7051,
68.0915

■ 66.8622, 70.3756,
76.3901

■ 17.1092, 10.6547,
67.4851

■ 79.6784, 85.6611,
78.6650

■ 14.8071, 7.8241,
67.0600

■ 89.6550, 97.8420,
80.4903

■ 13.4110, 6.0762,
66.7962

■ 12.7371, 5.2187,
66.6662

■ 12.7278, 5.2076,
66.6646

Harmonies

Analogous

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



32.2765, 35.2769, 74.1737



37.5131, 35.2769, 71.1616



42.0805, 35.2769, 58.4109

Triad

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



37.5131, 35.2769, 71.1616



39.9323, 35.2769, 19.9146



24.5973, 35.2769, 34.8893

Complementary

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



37.5131, 35.2769, 71.1616



59.2199, 66.3179, 39.8178

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.



26.2235, 35.2769, 23.5926



37.5131, 35.2769, 71.1616



34.8148, 35.2769, 16.5124

Square

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



37.5131, 35.2769, 71.1616



43.5745, 35.2769, 28.4401



29.8386, 35.2769, 17.6597



25.1609, 35.2769, 50.4751

Rectangle

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



37.5131, 35.2769, 71.1616



43.9534, 35.2769, 47.5385



29.8386, 35.2769, 17.6597



24.8997, 35.2769, 30.5329

Sweetspot

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



37.5143, 35.2783, 71.1624



80.4149, 82.5240, 106.2981



50.5823, 61.8652, 74.1287



16.7415, 17.1012, 22.6684



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.



37.5143, 35.2783, 71.1624



46.8359, 42.3090, 100.3057



43.6551, 37.9540, 71.3552



12.3706, 12.6810, 16.4478



7.6395, 3.1485, 39.9435



0.5065, 0.2271, 2.5916

Inverse Universe

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



46.2221, 40.0557, 36.3070



61.2579, 50.2795, 42.5644



51.4791, 63.0926, 39.6032



13.0722, 13.0580, 13.6414



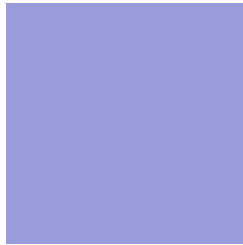
17.3514, 8.9416, 0.9646



1.1300, 0.5816, 0.0933

Previews

White Background



This preview shows how the XYZ color 37.5131, 35.2769, 71.1616 looks on a white background.

Color Contrast Check

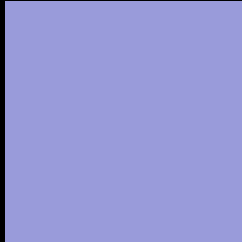
Large Text (above 18pt) WCAG AA × Fail

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 37.5131, 35.2769, 71.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

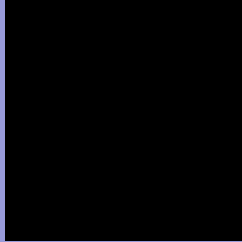
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5131, 35.2769, 71.1616

Background



This preview shows how black text looks on a background with the XYZ color 37.5131, 35.2769, 71.1616.



This preview shows how white text looks on a background with the XYZ color 37.5131, 35.2769,

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

37.5131, 35.2769, 71.1616

Protanopia

36.3005, 35.3718, 72.6243

Deuteranopia

36.0789, 35.3031, 70.5583



Tritanopia

32.4353, 35.2583, 46.1703

Trichromacy



Original Color

37.5131, 35.2769, 71.1616

Protanomaly

36.6972, 35.3394, 71.9049

Deuteranomaly

36.6140, 35.3267, 70.5346

Tritanomaly

34.0074, 35.1062, 54.2740

Monochromacy



Original Color

37.5131, 35.2769, 71.1616

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.1397, 35.5446, 49.2647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5131, 35.2769, 71.1616 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(153, 155, 218)` looks like.

```
.text, #text, p{  
    color:rgb(153, 155, 218)  
}
```

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(153, 155, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 155, 218) }
```

Border

The CSS property to change the border of an element to XYZ 37.5131, 35.2769, 71.1616 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(153, 155, 218) }
```


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

```
.border{ border-color:rgb(153, 155, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 155, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 155, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 155, 218); box-shadow:4px 4px 4px 4px rgb(153, 155, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5131, 35.2769, 71.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 155, 218) }
```

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

```
.background{ background-color: rgb(153,  
155, 218) }
```

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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