

Converting Colors

XYZ(34.7225, 31.6982, 71.0777)

Have a look what the booklet for
XYZ(34.7225, 31.6982, 71.0777)
contains.

XYZ(34.7421, 31.6920, 71.3039)	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(34.7421, 31.6920,
71.3039)**

Conversions

Conversions Part 1

Format	Color
Hex	9192DB
RGB	145, 146, 219
RGB Percent	57%, 57%, 86%
CMY	0.4314, 0.4274, 0.1412
CMYK	0.34, 0.33, 0.00, 0.14
HSL	239°, 51%, 71%
HSV	239°, 34%, 86%
XYZ	34.7421, 31.6920, 71.3039
YIQ	154.0230, -24.0290, 22.4910

Conversions

Conversions Part 2

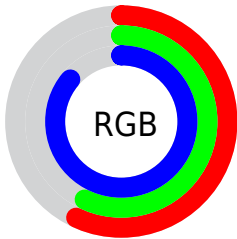
Format	Color
R_{YB}	145, 146, 219
Decimal	9540315
CIE _{Lab}	63.09, 16.61, -37.32
CIE _{LCh}	63, 40.849, 293.986
Yxy	31.6920, 0.2522, 0.2301
Android (android.graphics.Color)	4287730395 (0xFF9192DB)
YUV	154.0230, 32.0337, -7.9132
Hunter-Lab	56.2956, 11.6415, -35.6896

Details

The XYZ color **34.7421, 31.6920, 71.3039** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.3964, 67.2479, 36.6389**, and the grayscale version is **30.5976, 32.1911, 35.0561**.

A 20% lighter version of the original color is **62.7917, 60.9461, 103.0620**, and **15.2973, 13.3214, 36.8870** is the 20% darker color. If you saturate the color by 10%, you get **28.2271, 23.8485, 70.1339**, and if you desaturate by 10%, it is **42.6324, 41.1799, 72.7200**.

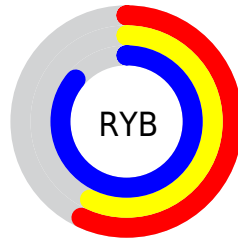
Distribution



Red (57%)

Green (57%)

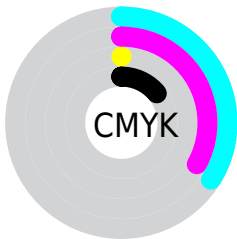
Blue (86%)



Red (57%)

Yellow (57%)

Blue (86%)

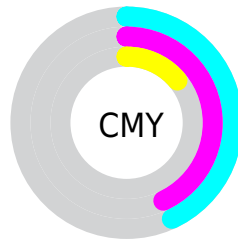


Cyan (34%)

Magenta (33%)

Yellow (0%)

Black (14%)



Cyan (43%)

Magenta (43%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7421, 31.6920, 71.3039 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 34.7421, 31.6920, 71.3039 by changing the saturation by 10% instead.

■ 34.7421, 31.6920,
71.3039

■ 34.7421, 31.6920,
71.3039

314.9565,
309.7138, 484.0273

■ 23.6299, 21.1264,
52.1069

■ 66.4227, 62.3279,
122.7648

■ 15.1825, 13.2164,
36.7074

■ 87.7218, 83.1670,
155.8658

■ 9.0347, 7.5777,
24.6871

113.1472,
108.1993, 194.4386

■ 4.8211, 3.8260,
15.6272

143.0643,
137.8093, 238.9016

■ 2.1764, 1.5767,
9.1092

177.8384,
172.3814, 289.6735

■ 0.7302, 0.3418,
4.7147

217.8349,

■ 0.0000, 0.0000,

212.2999, 347.1727

2.0251

263.4191,
257.9492, 411.8178

■ 0.0000, 0.0000,
0.5706

■ 0.0000, 0.0000,
0.0000

■ 34.7421, 31.6920,
71.3039

■ 34.7421, 31.6920,
71.3039

■ 28.2271, 23.8485,
70.1339

■ 42.6324, 41.1799,
72.7200

■ 23.0057, 17.5526,
69.1939

■ 51.9669, 52.3943,
74.3926

■ 18.9926, 12.7030,
68.4693

■ 62.8138, 65.4165,
76.3344

■ 16.0910, 9.1848,
67.9432

■ 75.2361, 80.3212,
78.5566

■ 14.1891, 6.8658,
67.5958

■ 89.2932, 97.1792,
81.0696

■ 13.1522, 5.5866,
67.4035

■ 89.7863, 97.8945,
81.1817

■ 12.8184, 5.1788,
67.3424

Harmonies

Analogous

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



29.0019, 31.6920, 75.4494



34.7421, 31.6920, 71.3039



39.7576, 31.6920, 56.1424

Triad

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



34.7421, 31.6920, 71.3039



36.9485, 31.6920, 15.0099



20.5857, 31.6920, 31.3588

Complementary

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



34.7421, 31.6920, 71.3039



59.3964, 67.2479, 36.6389

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.



22.1849, 31.6920, 19.2959



34.7421, 31.6920, 71.3039



31.2712, 31.6920, 11.9417

Square

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



34.7421, 31.6920, 71.3039



41.1384, 31.6920, 23.3734



25.9313, 31.6920, 13.2207



21.2725, 31.6920, 48.7115

Rectangle

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



34.7421, 31.6920, 71.3039



41.7754, 31.6920, 43.7892



25.9313, 31.6920, 13.2207



20.8668, 31.6920, 26.6393

Sweetspot

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



34.7432, 31.6932, 71.3046



78.7765, 80.4675, 105.9876



49.6338, 61.7333, 75.4700



16.4102, 16.6816, 22.6049



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.



34.7432, 31.6932, 71.3046



41.9166, 36.1587, 99.3778



41.9140, 35.1621, 71.5963



12.3527, 12.6452, 16.4418



7.6070, 3.0835, 39.9326



0.4979, 0.2099, 2.5887

Inverse Universe

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



44.5281, 37.3873, 32.0649



57.8745, 45.4791, 35.3749



50.0273, 62.8041, 36.2750



13.0632, 13.0544, 13.5938



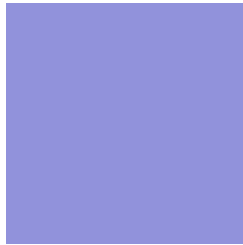
17.3350, 8.9350, 0.8783



1.1256, 0.5799, 0.0704

Previews

White Background



This preview shows how the XYZ color 34.7421, 31.6920, 71.3039 looks on a white background.

Color Contrast Check

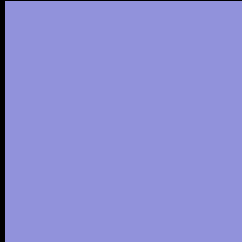
Large Text (above 18pt) WCAG AA × Fail

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 34.7421, 31.6920, 71.3039 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 34.7421, 31.6920, 71.3039

Background



This preview shows how black text looks on a background with the XYZ color 34.7421, 31.6920, 71.3039.



This preview shows how white text looks on a background with the XYZ color 34.7421, 31.6920,

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

34.7421, 31.6920, 71.3039

Protanopia

33.1444, 31.7537, 73.4894

Deuteranopia

32.6236, 31.7844, 70.7452



Tritanopia

28.8814, 31.7098, 42.1345

Trichromacy



Original Color

34.7421, 31.6920, 71.3039

Protanomaly

33.7903, 31.8662, 72.7765

Deuteranomaly

33.2339, 31.6252, 70.6823

Tritanomaly

30.6791, 31.4476, 51.4667

Monochromacy



Original Color

34.7421, 31.6920, 71.3039

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.8650, 31.9269, 46.6025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7421, 31.6920, 71.3039 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(145, 146, 219)` looks like.

```
.text, #text, p{  
    color:rgb(145, 146, 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(145, 146, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 146, 219) }
```

Border

The CSS property to change the border of an element to XYZ 34.7421, 31.6920, 71.3039 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(145, 146, 219) }
```


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

```
.border{ border-color:rgb(145, 146, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 146, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 146, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 146, 219);  
box-shadow:4px 4px 4px 4px rgb(145, 146,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7421, 31.6920, 71.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 146, 219) }
```

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

```
.background{ background-color: rgb(145,  
146, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor