

Converting Colors

XYZ(34.7228, 35.2466, 72.1982)

Have a look what the booklet for
XYZ(34.7228, 35.2466, 72.1982)
contains.

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Color

**XYZ(34.7370, 35.3500,
72.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	82A1DB
RGB	130, 161, 219
RGB Percent	51%, 63%, 86%
CMY	0.4902, 0.3686, 0.1412
CMYK	0.41, 0.26, 0.00, 0.14
HSL	219°, 55%, 68%
HSV	219°, 41%, 86%
XYZ	34.7370, 35.3500, 72.0102
YIQ	158.3430, -37.0940, 11.4660

Conversions

Conversions Part 2

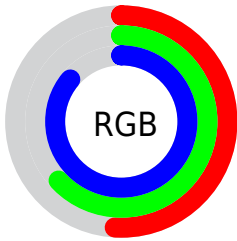
Format	Color
RYB	130, 153, 219
Decimal	8561115
CIELab	66.02, 3.95, -32.84
CIELCh	66, 33.073, 276.854
Yxy	35.3500, 0.2445, 0.2488
Android (android.graphics.Color)	4286751195 (0xFF82A1DB)
YUV	158.3430, 29.9039, -24.8568
Hunter-Lab	59.4559, 0.2406, -30.1902

Details

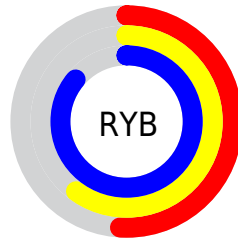
The XYZ color **34.7370, 35.3500, 72.0102** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.2270, 52.6396, 28.5811**, and the grayscale version is **32.5366, 34.2310, 37.2776**.

A 20% lighter version of the original color is **62.8556, 66.7708, 104.1830**, and **15.2573, 15.3687, 37.2843** is the 20% darker color. If you saturate the color by 10%, you get **29.3752, 29.0929, 71.0857**, and if you desaturate by 10%, it is **41.1008, 42.5477, 73.0647**.

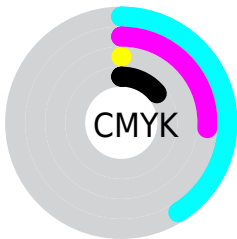
Distribution



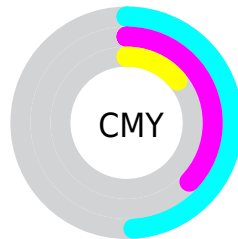
- Red (51%)
- Green (63%)
- Blue (86%)



- Red (51%)
- Yellow (60%)
- Blue (86%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (14%)



- Cyan (49%)
- Magenta (37%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7370, 35.3500, 72.0102 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 34.7370, 35.3500, 72.0102 by changing the saturation by 10% instead.

■ 34.7370, 35.3500,
72.0102

■ 34.7370, 35.3500,
72.0102

314.9343,
326.1105, 486.5556

■ 23.6259, 23.9326,
52.6801

■ 66.4148, 68.0276,
123.7789

■ 15.1796, 15.2836,
37.1615

■ 87.7123, 90.0566,
157.0546

■ 9.0327, 9.0187,
25.0358

■ 113.1360,
116.3917, 195.8159

■ 4.8198, 4.7534,
15.8845

143.0512,
147.4171, 240.4813

■ 2.1756, 2.1033,
9.2890

177.8232,
183.5173, 291.4695

■ 0.7298, 0.6665,
4.8308

217.8176,

■ 0.0000, 0.0000,

225.0766, 349.1989

2.0913

263.3995,
272.4796, 414.0881

■ 0.0000, 0.0000,
0.6106

■ 0.0000, 0.0000,
0.0000

■ 34.7370, 35.3500,
72.0102

■ 34.7370, 35.3500,
72.0102

■ 29.3752, 29.0929,
71.0857

■ 41.1008, 42.5477,
73.0647

■ 24.9564, 23.7298,
70.2834

■ 48.5138, 50.7216,
74.2518

■ 21.4209, 19.2155,
69.5984

■ 57.0243, 59.9104,
75.5768

■ 18.6994, 15.4987,
69.0244

■ 66.6767, 70.1491,
77.0443

■ 16.7112, 12.5207,
68.5544

■ 77.5125, 81.4711,
78.6586

■ 15.3901, 10.3220,
68.1997

■ 87.1756, 92.6732,
80.3115

■ 89.7863, 97.8945,
81.1817

Harmonies

Analogous

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



30.0272, 35.3500, 69.0444



34.7370, 35.3500, 72.0102



39.5779, 35.3500, 64.3950

Triad

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



34.7370, 35.3500, 72.0102



41.7232, 35.3500, 24.4588



25.6531, 35.3500, 28.8209

Complementary

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



34.7370, 35.3500, 72.0102



51.2270, 52.6396, 28.5811

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.



28.2549, 35.3500, 20.6729



34.7370, 35.3500, 72.0102



37.4436, 35.3500, 18.6158

Square

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



34.7370, 35.3500, 72.0102



43.8577, 35.3500, 35.3565



32.4864, 35.3500, 17.4218



25.0797, 35.3500, 41.8036

Rectangle

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



34.7370, 35.3500, 72.0102



42.1287, 35.3500, 55.2247



32.4864, 35.3500, 17.4218



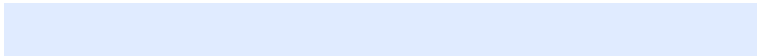
26.3063, 35.3500, 25.5320

Sweetspot

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



34.7382, 35.3513, 72.0110



78.6396, 82.5813, 106.4028



43.5995, 59.0341, 56.5902



16.4805, 17.2982, 22.7202



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.



34.7382, 35.3513, 72.0110



42.3169, 42.0764, 100.4990



32.1586, 26.9522, 70.5258



12.7078, 13.3553, 16.5602



9.2183, 6.3061, 40.4697



0.6763, 0.5667, 2.6482

Inverse Universe

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



43.6301, 33.5999, 37.9053



56.8275, 40.2779, 44.6048



54.7182, 65.3473, 30.8500



13.2424, 13.1260, 14.5375



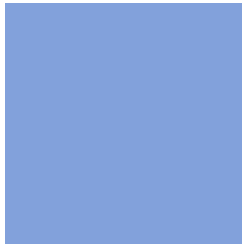
18.1483, 9.2604, 5.1611



1.2156, 0.6159, 0.5445

Previews

White Background



This preview shows how the XYZ color 34.7370, 35.3500, 72.0102 looks on a white background.

Color Contrast Check

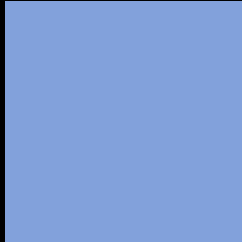
Large Text (above 18pt) WCAG AA × Fail

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 34.7370, 35.3500, 72.0102 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

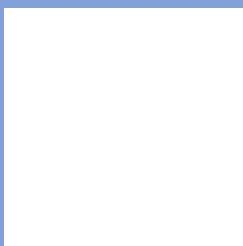
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7370, 35.3500, 72.0102

Background



This preview shows how black text looks on a background with the XYZ color 34.7370, 35.3500, 72.0102.



This preview shows how white text looks on a background with the XYZ color 34.7370, 35.3500,

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

34.7370, 35.3500, 72.0102

Protanopia

36.0789, 35.3031, 70.5583

Deuteranopia

36.1296, 35.2837, 72.6164



Tritanopia

30.0889, 35.3345, 48.9505

Trichromacy



Original Color

34.7370, 35.3500, 72.0102

Protanomaly

35.5343, 35.2615, 71.2630

Deuteranomaly

35.6329, 35.2819, 72.6422

Tritanomaly

31.6176, 35.1355, 56.7452

Monochromacy



Original Color

34.7370, 35.3500, 72.0102

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8491, 34.3875, 48.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7370, 35.3500, 72.0102 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(130, 161, 219)` looks like.

```
.text, #text, p{  
    color:rgb(130, 161, 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(130, 161, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 161, 219) }
```

Border

The CSS property to change the border of an element to XYZ 34.7370, 35.3500, 72.0102 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(130, 161, 219) }
```


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

```
.border{ border-color:rgb(130, 161, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 161, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 161, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 161, 219);  
box-shadow:4px 4px 4px 4px rgb(130, 161,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7370, 35.3500, 72.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 161, 219) }
```

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

```
.background{ background-color: rgb(130,  
161, 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](#).

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