

Converting Colors

XYZ(34.6720, 33.8818, 73.7146)

Have a look what the booklet for
XYZ(34.6720, 33.8818, 73.7146)
contains.

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Color

**XYZ(34.7461, 34.0374,
73.8458)**

Conversions

Conversions Part 1

Format	Color
Hex	859CDE
RGB	133, 156, 222
RGB Percent	52%, 61%, 87%
CMY	0.4784, 0.3882, 0.1294
CMYK	0.40, 0.30, 0.00, 0.13
HSL	224°, 57%, 70%
HSV	224°, 40%, 87%
XYZ	34.7461, 34.0374, 73.8458
YIQ	156.6470, -34.8940, 15.6500

Conversions

Conversions Part 2

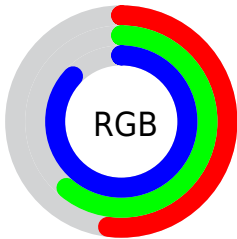
Format	Color
RYB	133, 151, 222
Decimal	8756446
CIELab	64.99, 8.41, -36.08
CIELCh	65, 37.044, 283.121
Yxy	34.0374, 0.2436, 0.2386
Android (android.graphics.Color)	4286946526 (0xFF859CDE)
YUV	156.6470, 32.2190, -20.7384
Hunter-Lab	58.3416, 4.2103, -34.2072

Details

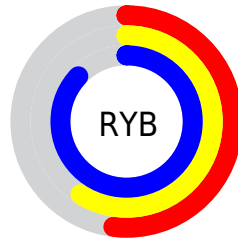
The XYZ color **34.7461, 34.0374, 73.8458** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.7822, 58.0709, 30.5130**, and the grayscale version is **31.7616, 33.4157, 36.3897**.

A 20% lighter version of the original color is **62.0829, 64.1320, 103.7143**, and **15.2511, 14.5554, 38.5649** is the 20% darker color. If you saturate the color by 10%, you get **29.0267, 27.2627, 72.8402**, and if you desaturate by 10%, it is **41.5829, 41.9454, 75.0125**.

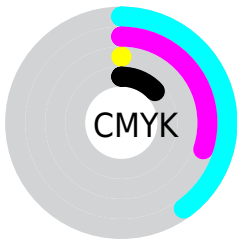
Distribution



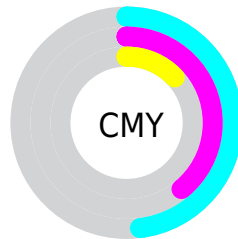
- Red (52%)
- Green (61%)
- Blue (87%)



- Red (52%)
- Yellow (59%)
- Blue (87%)



- Cyan (40%)
- Magenta (30%)
- Yellow (0%)
- Black (13%)



- Cyan (48%)
- Magenta (39%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7461, 34.0374, 73.8458 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 34.7461, 34.0374, 73.8458 by changing the saturation by 10% instead.

■ 34.7461, 34.0374,
73.8458

■ 34.7461, 34.0374,
73.8458

314.9739,
320.2988, 493.0902

■ 23.6330, 22.9223,
54.1718

■ 66.4289, 65.9918,
126.4092

■ 15.1848, 14.5362,
38.3449

■ 87.7292, 87.6000,
160.1357

■ 9.0364, 8.4945,
25.9466

■ 113.1560,
113.4746, 199.3835

■ 4.8222, 4.4130,
16.5583

143.0745,
144.0001, 244.5711

■ 2.1770, 1.9072,
9.7615

177.8503,
179.5609, 296.1170

■ 0.7306, 0.5527,
5.1376

217.8485,

■ 0.0000, 0.0000,

220.5413, 354.4398

2.2680

263.4346,
267.3258, 419.9580

■ 0.0000, 0.0000,
0.7132

■ 0.0000, 0.0000,
0.0000

■ 34.7461, 34.0374,
73.8458

■ 34.7461, 34.0374,
73.8458

■ 29.0267, 27.2627,
72.8402

■ 41.5829, 41.9454,
75.0125

■ 24.3593, 21.5632,
71.9861

■ 49.5908, 51.0331,
76.3445

■ 20.6765, 16.8813,
71.2765

■ 58.8238, 61.3492,
77.8491

■ 17.9013, 13.1517,
70.7029

■ 69.3318, 72.9381,
79.5321

■ 15.9439, 10.3006,
70.2557

■ 81.1617, 85.8421,
81.3994

■ 14.6665, 8.2370,
69.9248

■ 90.1150, 97.9142,
83.2576

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



29.4524, 34.0374, 73.0558



34.7461, 34.0374, 73.8458



39.9140, 34.0374, 63.0272

Triad

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



34.7461, 34.0374, 73.8458



40.4659, 34.0374, 20.3351



23.4634, 34.0374, 29.1397

Complementary

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



34.7461, 34.0374, 73.8458



54.7822, 58.0709, 30.5130

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.



25.8103, 34.0374, 19.4319



34.7461, 34.0374, 73.8458



35.4349, 34.0374, 15.3955

Square

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



34.7461, 34.0374, 73.8458



43.4535, 34.0374, 30.7607



30.0696, 34.0374, 15.1184



23.3225, 34.0374, 44.1675

Rectangle

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



34.7461, 34.0374, 73.8458



42.4344, 34.0374, 52.0592



30.0696, 34.0374, 15.1184



24.0075, 34.0374, 25.2614

Sweetspot

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



34.7473, 34.0387, 73.8466



77.8579, 81.0180, 106.1422



46.0190, 61.3195, 62.9988



16.2974, 16.9320, 22.6592



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.



34.7473, 34.0387, 73.8466



40.9767, 38.8079, 99.9387



34.8556, 28.8974, 72.8485



13.2386, 13.8163, 17.3567



8.7879, 5.0455, 41.5591



0.6807, 0.4929, 2.9045

Inverse Universe

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



44.5135, 34.7062, 35.8066



56.2946, 40.6144, 40.1039



54.5060, 66.3867, 32.1327



13.8519, 13.7584, 14.9902



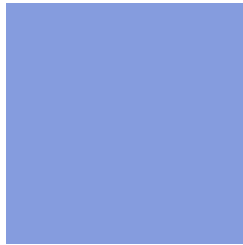
18.3759, 9.4174, 3.3796



1.3098, 0.6672, 0.4245

Previews

White Background



This preview shows how the XYZ color 34.7461, 34.0374, 73.8458 looks on a white background.

Color Contrast Check

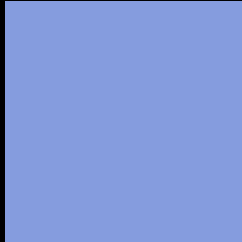
Large Text (above 18pt) WCAG AA × Fail

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 34.7461, 34.0374, 73.8458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

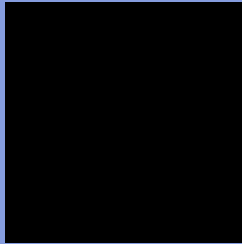
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7461, 34.0374, 73.8458

Background



This preview shows how black text looks on a background with the XYZ color 34.7461, 34.0374, 73.8458.



This preview shows how white text looks on a background with the XYZ color 34.7461, 34.0374,

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

34.7461, 34.0374, 73.8458

Protanopia

35.0890, 33.9815, 73.1163

Deuteranopia

34.9048, 34.1192, 73.8532



Tritanopia

29.5171, 34.2622, 47.1770

Trichromacy



Original Color

34.7461, 34.0374, 73.8458

Protanomaly

34.9258, 33.8974, 73.1087

Deuteranomaly

34.9048, 34.1192, 73.8532

Tritanomaly

31.2621, 34.1713, 55.9870

Monochromacy



Original Color

34.7461, 34.0374, 73.8458

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.6102, 33.7460, 48.5110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7461, 34.0374, 73.8458 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(133, 156, 222)` looks like.

```
.text, #text, p{  
    color:rgb(133, 156, 222)  
}
```

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(133, 156, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 156, 222) }
```

Border

The CSS property to change the border of an element to XYZ 34.7461, 34.0374, 73.8458 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(133, 156, 222) }
```


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

```
.border{ border-color:rgb(133, 156, 222) }
```

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

Here you see how a box with a 4 pixel rgb(133, 156, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 156, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 156, 222);  
box-shadow:4px 4px 4px 4px rgb(133, 156,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7461, 34.0374, 73.8458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 156, 222) }
```

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

```
.background{ background-color: rgb(133,  
156, 222) }
```

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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