

Converting Colors

XYZ(38.2379, 40.5529, 75.0700)

Have a look what the booklet for
XYZ(38.2379, 40.5529, 75.0700)
contains.

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Color

**XYZ(38.3125, 40.6969,
74.9432)**

Conversions

Conversions Part 1

Format	Color
Hex	87AEDE
RGB	135, 174, 222
RGB Percent	53%, 68%, 87%
CMY	0.4706, 0.3176, 0.1294
CMYK	0.39, 0.22, 0.00, 0.13
HSL	213°, 57%, 70%
HSV	213°, 39%, 87%
XYZ	38.3125, 40.6969, 74.9432
YIQ	167.8110, -38.6520, 6.6600

Conversions

Conversions Part 2

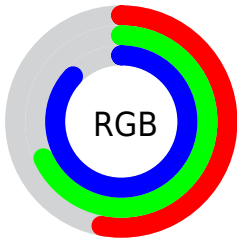
Format	Color
R_{YB}	135, 162, 222
Decimal	8892126
CIE _{Lab}	69.96, -1.18, -28.37
CIE _{LCh}	70, 28.398, 267.617
Yxy	40.6969, 0.2489, 0.2643
Android (android.graphics.Color)	4287082206 (0xFF87AEDE)
YUV	167.8110, 26.7152, -28.7752
Hunter-Lab	63.7941, -4.4389, -24.9960

Details

The XYZ color **38.3125, 40.6969, 74.9432** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.4317, 51.1467, 30.0846**, and the grayscale version is **37.0147, 38.9423, 42.4082**.

A 20% lighter version of the original color is **67.5552, 74.3350, 105.3953**, and **17.3279, 18.4584, 39.2088** is the 20% darker color. If you saturate the color by 10%, you get **32.8469, 34.5260, 74.0409**, and if you desaturate by 10%, it is **44.7412, 47.6863, 75.9542**.

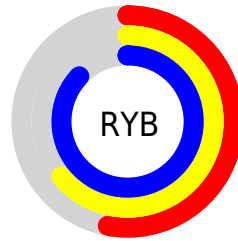
Distribution



Red (53%)

Green (68%)

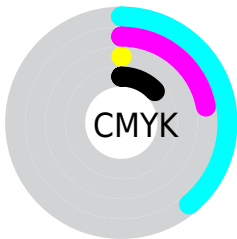
Blue (87%)



Red (53%)

Yellow (64%)

Blue (87%)

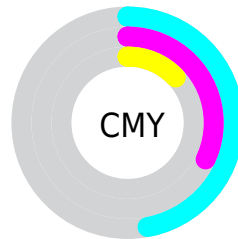


Cyan (39%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (47%)

Magenta (32%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3125, 40.6969, 74.9432 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 38.3125, 40.6969, 74.9432 by changing the saturation by 10% instead.

■ 38.3125, 40.6969,
74.9432

■ 38.3125, 40.6969,
74.9432

330.2163,
349.0522, 496.9725

■ 26.4036, 28.0823,
55.0649

■ 71.8877, 76.2236,
127.9783

■ 17.2601, 18.3877,
39.0547

■ 94.2847, 99.9044,
161.9722

■ 10.5166, 11.2287,
26.4942

■ 120.9085,
128.0429, 201.5084

■ 5.8077, 6.2209,
16.9646

152.1244,
161.0233, 247.0054

■ 2.7680, 2.9799,
10.0476

188.2978,
199.2300, 298.8818

■ 1.0323, 1.1212,
5.3245

229.7940,

■ 0.0000, 0.0000,

243.0475, 357.5561

2.3768

276.9784,
292.8601, 423.4468

■ 0.0000, 0.0000,
0.7738

■ 0.0000, 0.0000,
0.0000

■ 38.3125, 40.6969,
74.9432

■ 38.3125, 40.6969,
74.9432

■ 32.8469, 34.5260,
74.0409

■ 44.7412, 47.6863,
75.9542

■ 28.2881, 29.1336,
73.2403

■ 52.1773, 55.5227,
77.0749

■ 24.5795, 24.4824,
72.5380

■ 60.6666, 64.2386,
78.3097

■ 21.6558, 20.5294,
71.9291

■ 70.2513, 73.8631,
79.6623

■ 19.4403, 17.2255,
71.4082

■ 80.9707, 84.4240,
81.1358

■ 17.8141, 14.4989,
70.9676

■ 87.8364, 93.3569,
82.4981

■ 17.6961, 14.2964,
70.9347

■ 90.1849, 98.0540,
83.2810

Harmonies

Analogous

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



34.1108, 40.6969, 69.4895



38.3125, 40.6969, 74.9432



42.9520, 40.6969, 70.9291

Triad

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



38.3125, 40.6969, 74.9432



47.1088, 40.6969, 33.5227



31.6463, 40.6969, 32.0224

Complementary

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



38.3125, 40.6969, 74.9432



51.4317, 51.1467, 30.0846

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.



34.7033, 40.6969, 25.3580



38.3125, 40.6969, 74.9432



43.6426, 40.6969, 26.0951

Square

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



38.3125, 40.6969, 74.9432



48.2649, 40.6969, 45.3797



39.0522, 40.6969, 23.4243



30.4583, 40.6969, 43.2612

Rectangle

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



38.3125, 40.6969, 74.9432



45.6293, 40.6969, 63.7945



39.0522, 40.6969, 23.4243



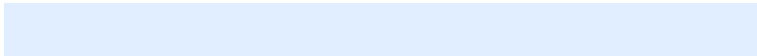
32.4768, 40.6969, 29.2646

Sweetspot

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



38.3138, 40.6985, 74.9442



79.5233, 84.3488, 106.6974



44.6457, 60.8070, 54.1030



16.6879, 17.7130, 22.7894



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.



38.3138, 40.6985, 74.9442



46.2369, 48.7255, 101.5758



32.5560, 28.1224, 72.8202



13.4554, 14.2499, 17.4290



10.6185, 8.7066, 42.1692



0.8244, 0.7803, 2.9524

Inverse Universe

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



46.4293, 35.9148, 44.5311



59.0968, 42.2986, 53.1237



59.3042, 68.8441, 33.0856



13.9613, 13.8022, 15.5666



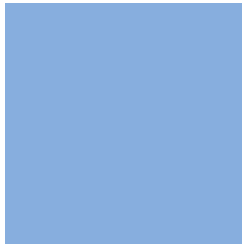
19.2999, 9.7870, 8.2452



1.3824, 0.6962, 0.8065

Previews

White Background



This preview shows how the XYZ color 38.3125, 40.6969, 74.9432 looks on a white background.

Color Contrast Check

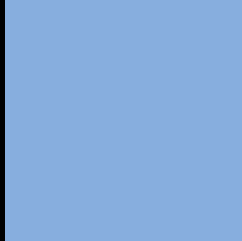
Large Text (above 18pt) WCAG AA × Fail

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 38.3125, 40.6969, 74.9432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

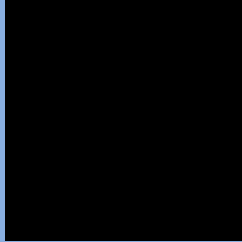
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

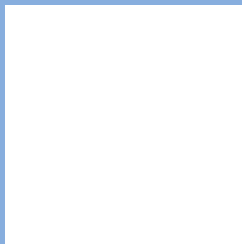
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3125, 40.6969, 74.9432

Background



This preview shows how black text looks on a background with the XYZ color 38.3125, 40.6969, 74.9432.

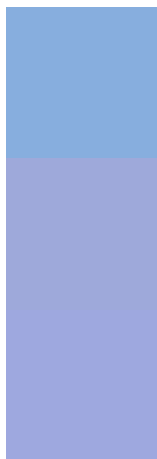


This preview shows how white text looks on a background with the XYZ color 38.3125, 40.6969,

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

38.3125, 40.6969, 74.9432

Protanopia

40.9434, 40.7070, 72.0290

Deuteranopia

41.4225, 40.6021, 75.4658



Tritanopia

34.6478, 40.6796, 56.4779

Trichromacy



Original Color

38.3125, 40.6969, 74.9432

Protanomaly

39.9268, 40.7243, 72.7740

Deuteranomaly

40.2717, 40.5612, 75.5186

Tritanomaly

35.9813, 40.6292, 63.0725

Monochromacy



Original Color

38.3125, 40.6969, 74.9432

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.1621, 39.4482, 53.2326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3125, 40.6969, 74.9432 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(135, 174, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 174, 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(135, 174, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 174, 222) }
```

Border

The CSS property to change the border of an element to XYZ 38.3125, 40.6969, 74.9432 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(135, 174, 222) }
```


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

```
.border{ border-color:rgb(135, 174, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 174, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 174, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 174, 222);  
box-shadow:4px 4px 4px 4px rgb(135, 174,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3125, 40.6969, 74.9432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 174, 222) }
```

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

```
.background{ background-color: rgb(135,  
174, 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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