

Converting Colors

XYZ(37.9923, 42.9909, 84.8929)

Have a look what the booklet for
XYZ(37.9923, 42.9909, 84.8929)
contains.

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Color

**XYZ(37.9923, 42.9909,
84.8929)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB7EB
RGB	107, 183, 235
RGB Percent	42%, 72%, 92%
CMY	0.5804, 0.2823, 0.0784
CMYK	0.54, 0.22, 0.00, 0.08
HSL	204°, 76%, 67%
HSV	204°, 54%, 92%
XYZ	37.9923, 42.9909, 84.8929
YIQ	166.2040, -61.9880, 0.0600

Conversions

Conversions Part 2

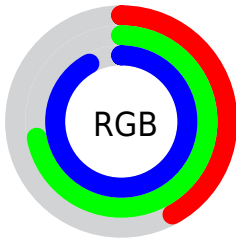
Format	Color
R _{YB}	107, 155, 235
Decimal	7059435
CIE Lab	71.55, -9.05, -33.13
CIE LCh	72, 34.344, 254.725
Yxy	42.9909, 0.2290, 0.2592
Android (android.graphics.Color)	4285249515 (0xFF6BB7EB)
YUV	166.2040, 33.9164, -51.9219
Hunter-Lab	65.5674, -11.3133, -30.8680

Details

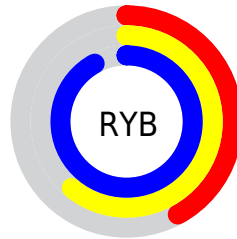
The XYZ color **37.9923, 42.9909, 84.8929** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.3145, 43.5220, 19.7132**, and the grayscale version is **36.2081, 38.0938, 41.4841**.

A 20% lighter version of the original color is **64.6424, 77.0600, 106.0748**, and **17.0338, 19.6914, 45.5509** is the 20% darker color. If you saturate the color by 10%, you get **33.6388, 37.9225, 84.1449**, and if you desaturate by 10%, it is **43.2499, 48.7253, 85.7235**.

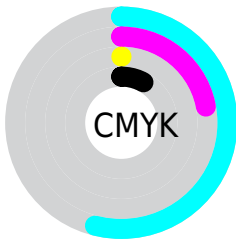
Distribution



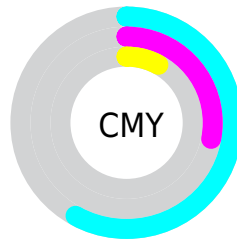
- Red (42%)
- Green (72%)
- Blue (92%)



- Red (42%)
- Yellow (61%)
- Blue (92%)



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)
- Black (8%)



- Cyan (58%)
- Magenta (28%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9923, 42.9909, 84.8929 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 37.9923, 42.9909, 84.8929 by changing the saturation by 10% instead.

■ 37.9923, 42.9909,
84.8929

■ 37.9923, 42.9909,
84.8929

328.8684,
358.5743, 531.4090

■ 26.1539, 29.8780,
63.2032

■ 71.4003, 79.6971,
142.0964

■ 17.0721, 19.7460,
45.5636

■ 93.7006, 104.0592,
178.4473

■ 10.3815, 12.2105,
31.5554

■ 120.2190,
132.9398, 220.5223

■ 5.7168, 6.8872,
20.7601

151.3207,
166.7233, 268.7401

■ 2.7127, 3.3917,
12.7593

187.3711,
205.7941, 323.5191

■ 1.0037, 1.3395,
7.1342

228.7356,

■ 0.0000, 0.1715,

250.5367, 385.2779

3.4665

275.7796,
301.3353, 454.4350

■ 0.0000, 0.0000,
1.3375

■ 0.0000, 0.0000,
0.0922

■ 37.9923, 42.9909,
84.8929

■ 37.9923, 42.9909,
84.8929

■ 33.6388, 37.9225,
84.1449

■ 43.2499, 48.7253,
85.7235

■ 30.1185, 33.4773,
83.4724

■ 49.4665, 55.1554,
86.6369

■ 27.3562, 29.6132,
82.8721

■ 56.6972, 62.3140,
87.6376

■ 25.2587, 26.2780,
82.3389

■ 64.9917, 70.2304,
88.7284

■ 24.3052, 24.6175,
82.0687

■ 74.3960, 78.9318,
89.9123

■ 84.9535, 88.4440,
91.1919

■ 90.3689, 95.5250,
92.2733

■ 91.9955, 98.7782,
92.8155

Harmonies

Analogous

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



33.4364, 42.9909, 73.0866



37.9923, 42.9909, 84.8929



43.7635, 42.9909, 85.0109

Triad

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



37.9923, 42.9909, 84.8929



52.6293, 42.9909, 39.1488



33.5027, 42.9909, 27.5806

Complementary

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



37.9923, 42.9909, 84.8929



49.3145, 43.5220, 19.7132

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.



38.0908, 42.9909, 22.2090



37.9923, 42.9909, 84.8929



49.3118, 42.9909, 27.7331

Square

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



37.9923, 42.9909, 84.8929



52.5966, 42.9909, 55.7420



43.8718, 42.9909, 22.2573



31.0164, 42.9909, 38.8867

Rectangle

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



37.9923, 42.9909, 84.8929



47.5520, 42.9909, 78.2875



43.8718, 42.9909, 22.2573



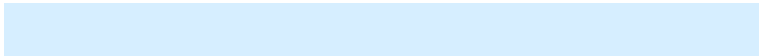
34.8301, 42.9909, 25.1538

Sweetspot

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



37.9938, 42.9925, 84.8939



76.5383, 82.9430, 106.5833



41.9620, 65.0191, 42.7784



15.9268, 17.3218, 22.7540



0.0000, 0.0000, 0.0000



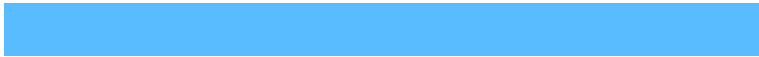
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.9938, 42.9925, 84.8939



40.1052, 45.1789, 101.2144



27.7529, 22.5107, 81.4803



14.9748, 16.0360, 19.2283



13.6553, 13.9577, 45.7174



1.1663, 1.2841, 3.6213

Inverse Universe

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



48.0672, 31.5981, 48.3668



53.8740, 32.0628, 50.7361



63.0903, 71.0737, 24.3051



15.4408, 15.2042, 17.6067



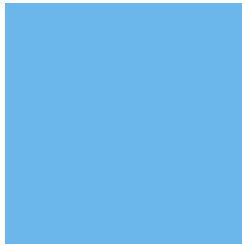
21.7479, 10.9018, 15.0056



1.7552, 0.8750, 1.4283

Previews

White Background



This preview shows how the XYZ color 37.9923, 42.9909, 84.8929 looks on a white background.

Color Contrast Check

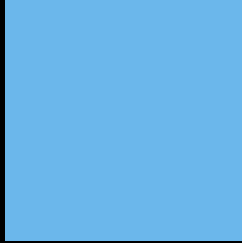
Large Text (above 18pt) WCAG AA × Fail

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 37.9923, 42.9909, 84.8929 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

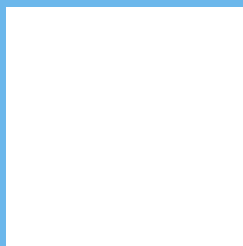
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9923, 42.9909, 84.8929

Background



This preview shows how black text looks on a background with the XYZ color 37.9923, 42.9909, 84.8929.

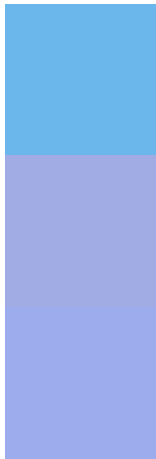


This preview shows how white text looks on a background with the XYZ color 37.9923, 42.9909,

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

37.9923, 42.9909, 84.8929

Protanopia

43.1149, 42.5247, 78.6087

Deuteranopia

43.7489, 42.6874, 86.0544



Tritanopia

33.8160, 43.1877, 63.6805

Trichromacy



Original Color

37.9923, 42.9909, 84.8929

Protanomaly

40.7928, 42.4266, 80.9020

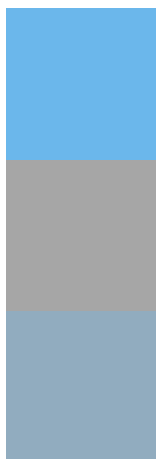
Deuteranomaly

41.1469, 42.5101, 85.3935

Tritanomaly

35.1817, 43.0996, 70.7548

Monochromacy



Original Color

37.9923, 42.9909, 84.8929

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.8335, 39.2864, 54.9846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9923, 42.9909, 84.8929 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(107, 183, 235)` looks like.

```
.text, #text, p{  
    color:rgb(107, 183, 235)  
}
```

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(107, 183, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 183, 235) }
```

Border

The CSS property to change the border of an element to XYZ 37.9923, 42.9909, 84.8929 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(107, 183, 235) }
```


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

```
.border{ border-color:rgb(107, 183, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 183, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 183, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 183, 235);  
box-shadow:4px 4px 4px 4px rgb(107, 183,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9923, 42.9909, 84.8929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 183, 235) }
```

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

```
.background{ background-color: rgb(107,  
183, 235) }
```

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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