

Converting Colors

XYZ(37.8707, 41.9486, 70.4617)

Have a look what the booklet for
XYZ(37.8707, 41.9486, 70.4617)
contains.

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Color

**XYZ(37.9016, 42.0520,
70.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	84B3D7
RGB	132, 179, 215
RGB Percent	52%, 70%, 84%
CMY	0.4823, 0.2980, 0.1569
CMYK	0.39, 0.17, 0.00, 0.16
HSL	206°, 51%, 68%
HSV	206°, 39%, 84%
XYZ	37.9016, 42.0520, 70.4092
YIQ	169.0510, -39.5680, 1.2320

Conversions

Conversions Part 2

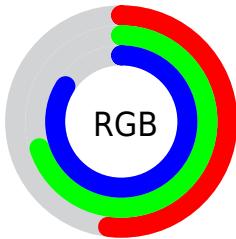
Format	Color
RYB	132, 162, 215
Decimal	8696791
CIELab	70.91, -6.57, -23.11
CIELCh	71, 24.027, 254.121
Yxy	42.0520, 0.2521, 0.2797
Android (android.graphics.Color)	4286886871 (0xFF84B3D7)
YUV	169.0510, 22.6529, -32.4937
Hunter-Lab	64.8475, -9.1548, -18.9818

Details

The XYZ color **37.9016, 42.0520, 70.4092** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.1928, 44.1194, 27.9125**, and the grayscale version is **37.6439, 39.6044, 43.1291**.

A 20% lighter version of the original color is **68.4974, 77.3280, 105.9233**, and **16.9479, 19.0795, 36.0472** is the 20% darker color. If you saturate the color by 10%, you get **33.0736, 36.8826, 69.6666**, and if you desaturate by 10%, it is **43.5515, 47.8347, 71.2283**.

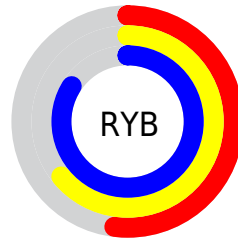
Distribution



Red (52%)

Green (70%)

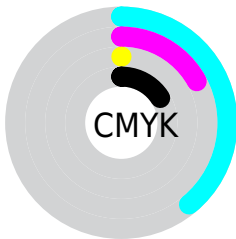
Blue (84%)



Red (52%)

Yellow (64%)

Blue (84%)

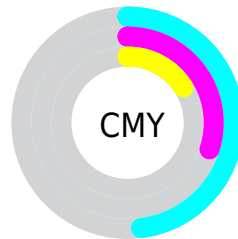


Cyan (39%)

Magenta (17%)

Yellow (0%)

Black (16%)



Cyan (48%)

Magenta (30%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9016, 42.0520, 70.4092 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 37.9016, 42.0520, 70.4092 by changing the saturation by 10% instead.

■ 37.9016, 42.0520,
70.4092

■ 37.9016, 42.0520,
70.4092

328.4858,
354.6985, 480.8134

■ 26.0832, 29.1420,
51.3813

■ 71.2622, 78.2783,
121.4787

■ 17.0189, 19.1883,
36.1334

■ 93.5350, 102.3634,
154.3574

■ 10.3434, 11.8064,
24.2467

■ 120.0234,
130.9424, 192.6902

■ 5.6912, 6.6120,
15.3028

151.0927,
164.3996, 236.8955

■ 2.6971, 3.2207,
8.8832

187.1082,
203.1194, 287.3919

■ 0.9957, 1.2480,
4.5693

228.4354,

■ 0.0000, 0.1004,

247.4862, 344.5980

1.9426

275.4394,
297.8844, 408.9323

■ 0.0000, 0.0000,
0.5196

■ 0.0000, 0.0000,
0.0000

■ 37.9016, 42.0520,
70.4092

■ 37.9016, 42.0520,
70.4092

■ 33.0736, 36.8826,
69.6666

■ 43.5515, 47.8347,
71.2283

■ 29.0181, 32.2944,
68.9948

■ 50.0610, 54.2507,
72.1237

■ 25.6863, 28.2596,
68.3916

■ 57.4699, 61.3252,
73.0987

■ 23.0215, 24.7448,
67.8536

■ 65.8145, 69.0800,
74.1557

■ 20.9571, 21.7117,
67.3770

■ 75.1287, 77.5362,
75.2970

■ 19.3929, 19.1045,
66.9562

■ 83.2011, 85.5568,
76.4197

■ 19.1947, 18.7639,
66.9009

■ 85.9407, 91.0360,
77.3329

■ 88.8223, 96.7992,
78.2934

■ 89.2659, 97.6864,
78.4413

Harmonies

Analogous

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



34.6983, 42.0520, 62.8975



37.9016, 42.0520, 70.4092



41.8751, 42.0520, 70.6424

Triad

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



37.9016, 42.0520, 70.4092



47.9014, 42.0520, 40.6210



34.8504, 42.0520, 31.7257

Complementary

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



37.9016, 42.0520, 70.4092



46.1928, 44.1194, 27.9125

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.



38.1219, 42.0520, 27.5761



37.9016, 42.0520, 70.4092



45.7484, 42.0520, 32.1012

Square

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



37.9016, 42.0520, 70.4092



47.8325, 42.0520, 52.0822



42.1106, 42.0520, 27.7010



33.0186, 42.0520, 40.0215

Rectangle

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



37.9016, 42.0520, 70.4092



44.4405, 42.0520, 66.5499



42.1106, 42.0520, 27.7010



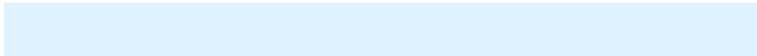
35.8083, 42.0520, 29.8663

Sweetspot

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



37.9029, 42.0536, 70.4102



80.5858, 86.4737, 107.0515



40.8821, 56.3333, 45.7496



16.9378, 18.2128, 22.8726



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.



37.9029, 42.0536, 70.4102



50.1039, 55.8423, 102.7456



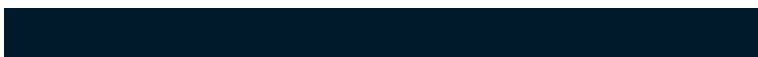
30.8045, 27.8567, 68.0440



12.3203, 13.1640, 15.8291



11.5878, 11.4374, 40.0500



0.7805, 0.8531, 2.4428

Inverse Universe

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



44.4135, 34.2057, 46.9109



61.1994, 43.7166, 62.4172



55.1053, 61.9442, 30.8833



12.7149, 12.5374, 14.4388



18.9078, 9.4995, 12.0847



1.1816, 0.5894, 0.9458

Previews

White Background



This preview shows how the XYZ color 37.9016, 42.0520, 70.4092 looks on a white background.

Color Contrast Check

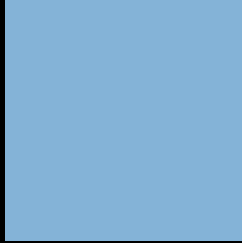
Large Text (above 18pt) WCAG AA × Fail

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 37.9016, 42.0520, 70.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

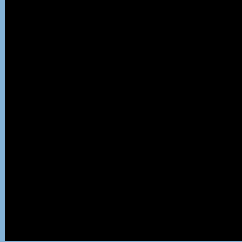
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

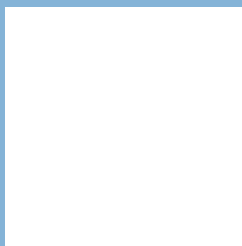
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9016, 42.0520, 70.4092

Background



This preview shows how black text looks on a background with the XYZ color 37.9016, 42.0520, 70.4092.

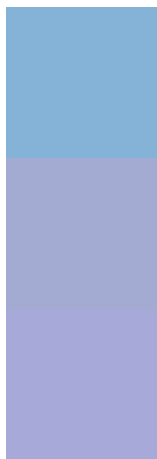


This preview shows how white text looks on a background with the XYZ color 37.9016, 42.0520,

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

37.9016, 42.0520, 70.4092

Protanopia

41.5056, 41.6715, 66.8286

Deuteranopia

42.8355, 41.9747, 71.4899



Tritanopia

35.5584, 41.9991, 59.0558

Trichromacy



Original Color

37.9016, 42.0520, 70.4092

Protanomaly

39.9686, 41.7010, 68.2299

Deuteranomaly

40.6647, 41.7150, 70.8743

Tritanomaly

36.4762, 42.0745, 63.3254

Monochromacy



Original Color

37.9016, 42.0520, 70.4092

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5168, 40.5002, 52.2944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9016, 42.0520, 70.4092 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(132, 179, 215)` looks like.

```
.text, #text, p{  
    color:rgb(132, 179, 215)  
}
```

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(132, 179, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 179, 215) }
```

Border

The CSS property to change the border of an element to XYZ 37.9016, 42.0520, 70.4092 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(132, 179, 215) }
```


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

```
.border{ border-color:rgb(132, 179, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 179, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 179, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 179, 215);  
box-shadow:4px 4px 4px 4px rgb(132, 179,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9016, 42.0520, 70.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 179, 215) }
```

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

```
.background{ background-color: rgb(132,  
179, 215) }
```

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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