

Converting Colors

XYZ(42.5248, 49.1137, 97.6973)

Have a look what the booklet for
XYZ(42.5248, 49.1137, 97.6973)
contains.

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Color

**XYZ(42.5888, 49.2655,
97.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	67C4FA
RGB	103, 196, 250
RGB Percent	40%, 77%, 98%
CMY	0.5960, 0.2314, 0.0196
CMYK	0.59, 0.22, 0.00, 0.02
HSL	202°, 94%, 69%
HSV	202°, 59%, 98%
XYZ	42.5888, 49.2655, 97.7070
YIQ	174.3490, -72.7620, -2.9220

Conversions

Conversions Part 2

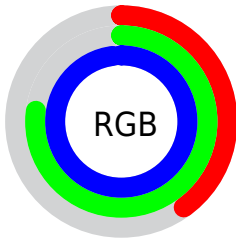
Format	Color
RYB	103, 160, 250
Decimal	6800634
CIELab	75.62, -12.29, -34.95
CIELCh	76, 37.047, 250.629
Yxy	49.2655, 0.2247, 0.2599
Android (android.graphics.Color)	4284990714 (0xFF67C4FA)
YUV	174.3490, 37.2959, -62.5731
Hunter-Lab	70.1894, -14.5230, -33.4020

Details

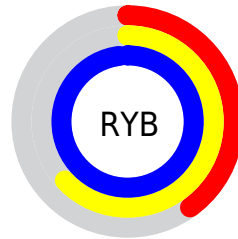
The XYZ color **42.5888, 49.2655, 97.7070** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.9315, 45.4199, 18.7586**, and the grayscale version is **40.2543, 42.3506, 46.1198**.

A 20% lighter version of the original color is **68.4851, 85.3631, 107.4749**, and **19.7246, 23.4159, 53.9322** is the 20% darker color. If you saturate the color by 10%, you get **38.1299, 43.9860, 96.9239**, and if you desaturate by 10%, it is **48.0348, 55.2440, 98.5749**.

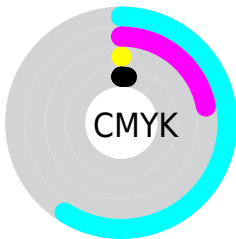
Distribution



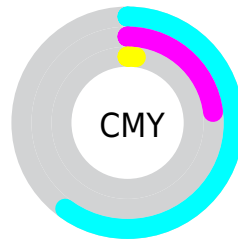
- Red (40%)
- Green (77%)
- Blue (98%)



- Red (40%)
- Yellow (63%)
- Blue (98%)



- Cyan (59%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)



- Cyan (60%)
- Magenta (23%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5888, 49.2655, 97.7070 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 42.5888, 49.2655, 97.7070 by changing the saturation by 10% instead.

■ 42.5888, 49.2655,
97.7070

■ 42.5888, 49.2655,
97.7070

347.8682,
383.7866, 573.9995

■ 29.7557, 34.8301,
73.7808

■ 78.3496, 89.0857,
160.0268

■ 19.8004, 23.5321,
54.1189

■ 102.0080,
115.2392, 199.2574

■ 12.3575, 14.9869,
38.3029

■ 130.0055,
146.0677, 244.4266

■ 7.0615, 8.8102,
25.9142

162.7076,
181.9554, 295.9528

■ 3.5473, 4.6176,
16.5343

200.4796,
223.2867, 354.2547

■ 1.4494, 2.0247,
9.7446

243.6868,

■ 0.2910, 0.6217,

270.4461, 419.7508

5.1266

292.6945,
323.8179, 492.8595

■ 0.0000, 0.0000,
2.2617

■ 0.0000, 0.0000,
0.7096

■ 42.5888, 49.2655,
97.7070

■ 42.5888, 49.2655,
97.7070

■ 38.1299, 43.9860,
96.9239

■ 48.0348, 55.2440,
98.5749

■ 34.5719, 39.3549,
96.2176

■ 54.5344, 61.9562,
99.5279

■ 31.8206, 35.3212,
95.5840

■ 62.1536, 69.4403,
100.5709

■ 29.7372, 31.8098,
95.0160

■ 70.9513, 77.7297,
101.7072

■ 29.5100, 31.4112,
94.9511

■ 80.9822, 86.8556,
102.9400

■ 92.2971, 96.8472,
104.2722

■ 94.2555, 99.6822,
104.7162

Harmonies

Analogous

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



37.5187, 49.2655, 82.1625



42.5888, 49.2655, 97.7070



49.2984, 49.2655, 99.9448

Triad

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



42.5888, 49.2655, 97.7070



61.0089, 49.2655, 46.9771



38.7576, 49.2655, 29.7934

Complementary

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



42.5888, 49.2655, 97.7070



53.9315, 45.4199, 18.7586

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.



44.4365, 49.2655, 24.4405



42.5888, 49.2655, 97.7070



57.5563, 49.2655, 32.6276

Square

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



42.5888, 49.2655, 97.7070



60.3908, 49.2655, 67.1596



51.3340, 49.2655, 25.3328



35.4606, 49.2655, 42.0716

Rectangle

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



42.5888, 49.2655, 97.7070



53.8656, 49.2655, 93.1141



51.3340, 49.2655, 25.3328



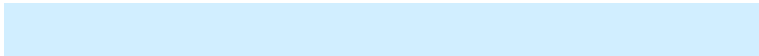
40.4270, 49.2655, 27.2781

Sweetspot

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



42.5905, 49.2673, 97.7082



74.9877, 82.0196, 106.4868



45.8582, 73.6871, 43.6621



15.4425, 16.9917, 22.7158



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.



42.5905, 49.2673, 97.7082



38.9584, 44.8502, 101.2114



29.8843, 23.8549, 93.4728



17.1985, 18.4737, 22.0446



15.7949, 16.9454, 50.4119



1.5640, 1.7717, 4.7027

Inverse Universe

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



54.2399, 34.0120, 55.9323



52.8155, 29.8029, 50.8235



70.2822, 78.1213, 24.2088



17.7067, 17.4100, 20.3113



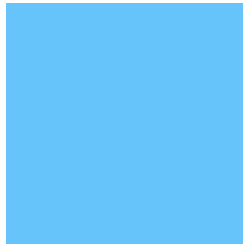
24.2646, 12.1216, 18.6335



2.2984, 1.1431, 1.9945

Previews

White Background



This preview shows how the XYZ color 42.5888, 49.2655, 97.7070 looks on a white background.

Color Contrast Check

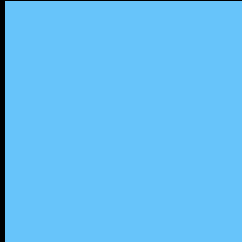
Large Text (above 18pt) WCAG AA × Fail

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 42.5888, 49.2655, 97.7070 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

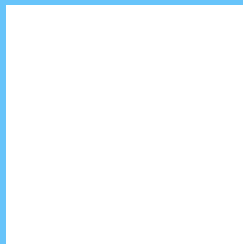
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5888, 49.2655, 97.7070

Background



This preview shows how black text looks on a background with the XYZ color 42.5888, 49.2655, 97.7070.



This preview shows how white text looks on a background with the XYZ color 42.5888, 49.2655,

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

42.5888, 49.2655, 97.7070

Protanopia

49.2392, 48.7043, 89.2438

Deuteranopia

50.1802, 48.9582, 99.7336



Tritanopia

37.8952, 49.4269, 73.8727

Trichromacy



Original Color

42.5888, 49.2655, 97.7070

Protanomaly

46.1664, 48.6091, 92.5372

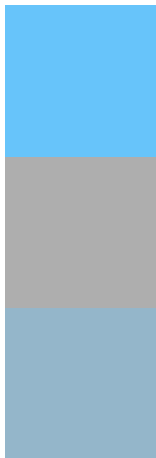
Deuteranomaly

46.7092, 48.7455, 99.0424

Tritanomaly

39.5533, 49.4014, 82.3137

Monochromacy



Original Color

42.5888, 49.2655, 97.7070

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.6014, 44.0161, 62.2859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5888, 49.2655, 97.7070 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(103, 196, 250)` looks like.

```
.text, #text, p{  
    color:rgb(103, 196, 250)  
}
```

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(103, 196, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 196, 250) }
```

Border

The CSS property to change the border of an element to XYZ 42.5888, 49.2655, 97.7070 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(103, 196, 250) }
```


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

```
.border{ border-color:rgb(103, 196, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 196, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 196, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 196, 250); box-shadow:4px 4px 4px 4px rgb(103, 196, 250) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5888, 49.2655, 97.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 196, 250) }
```

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

```
.background{ background-color: rgb(103,  
196, 250) }
```

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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