

Converting Colors

XYZ(42.3501, 49.2635, 77.0887)

Have a look what the booklet for
XYZ(42.3501, 49.2635, 77.0887)
contains.

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Color

**XYZ(42.3501, 49.2635,
77.0887)**

Conversions

Conversions Part 1

Format	Color
Hex	84C3DF
RGB	132, 195, 223
RGB Percent	52%, 76%, 87%
CMY	0.4823, 0.2353, 0.1255
CMYK	0.41, 0.13, 0.00, 0.13
HSL	198°, 59%, 70%
HSV	198°, 41%, 87%
XYZ	42.3501, 49.2635, 77.0887
YIQ	179.3550, -46.5360, -4.6480

Conversions

Conversions Part 2

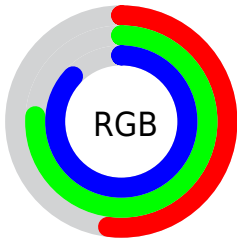
Format	Color
RYB	132, 169, 223
Decimal	8700895
CIELab	75.61, -13.00, -20.30
CIELCh	76, 24.103, 237.364
Yxy	49.2635, 0.2510, 0.2920
Android (android.graphics.Color)	4286890975 (0xFF84C3DF)
YUV	179.3550, 21.5170, -41.5303
Hunter-Lab	70.1880, -15.1254, -15.9877

Details

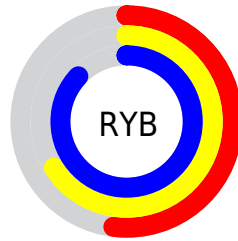
The XYZ color **42.3501, 49.2635, 77.0887** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.1680, 42.4963, 27.5478**, and the grayscale version is **42.9449, 45.1814, 49.2026**.

A 20% lighter version of the original color is **73.5994, 87.5322, 107.6240**, and **19.6533, 23.4547, 40.5372** is the 20% darker color. If you saturate the color by 10%, you get **37.7267, 44.6511, 76.4430**, and if you desaturate by 10%, it is **47.7926, 54.4053, 77.7952**.

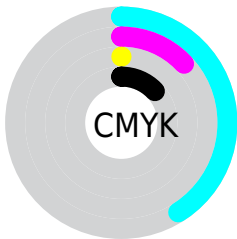
Distribution



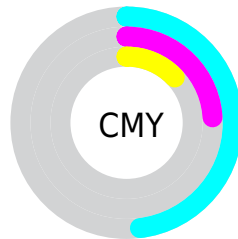
- Red (52%)
- Green (76%)
- Blue (87%)



- Red (52%)
- Yellow (66%)
- Blue (87%)



- Cyan (41%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (48%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3501, 49.2635, 77.0887 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 42.3501, 49.2635, 77.0887 by changing the saturation by 10% instead.

■ 42.3501, 49.2635,
77.0887

■ 42.3501, 49.2635,
77.0887

346.8992,
383.7787, 504.5121

■ 29.5678, 34.8286,
56.8137

■ 77.9911, 89.0827,
131.0388

■ 19.6572, 23.5308,
40.4473

■ 101.5805,
115.2357, 165.5510

■ 12.2529, 14.9860,
27.5710

■ 129.5029,
146.0635, 205.6460

■ 6.9896, 8.8095,
17.7663

162.1239,
181.9506, 251.7424

■ 3.5019, 4.6172,
10.6147

199.8086,
223.2812, 304.2586

■ 1.4244, 2.0244,
5.6975

242.9225,

■ 0.2735, 0.6216,

270.4399, 363.6133

2.5962

291.8309,
323.8109, 430.2249

■ 0.0000, 0.0000,
0.8905

■ 0.0000, 0.0000,
0.0000

■ 42.3501, 49.2635,
77.0887

■ 42.3501, 49.2635,
77.0887

■ 37.7267, 44.6511,
76.4430

■ 47.7926, 54.4053,
77.7952

■ 33.8688, 40.5357,
75.8519

■ 54.0941, 60.0950,
78.5613

■ 30.7236, 36.8897,
75.3140

■ 61.2974, 66.3572,
79.3904

■ 28.2288, 33.6797,
74.8259

■ 69.4410, 73.2130,
80.2844

■ 26.3103, 30.8660,
74.3839

■ 78.5609, 80.6824,
81.2455

■ 24.9394, 28.5677,
74.0125

■ 84.6041, 86.6770,
82.0841

■ 86.6196, 90.7081,
82.7559

■ 88.7118, 94.8926,
83.4533

■ 90.3194, 98.1078,
83.9892

Harmonies

Analogous

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



39.6142, 49.2635, 65.7362



42.3501, 49.2635, 77.0887



46.4303, 49.2635, 82.0976

Triad

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



42.3501, 49.2635, 77.0887



55.9212, 49.2635, 54.7768



42.9921, 49.2635, 34.6539

Complementary

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



42.3501, 49.2635, 77.0887



47.1680, 42.4963, 27.5478

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.



47.2189, 49.2635, 32.6595



42.3501, 49.2635, 77.0887



54.8582, 49.2635, 43.1262

Square

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



42.3501, 49.2635, 77.0887



54.4212, 49.2635, 68.0018



51.6013, 49.2635, 35.5048



39.9680, 49.2635, 41.4569

Rectangle

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



42.3501, 49.2635, 77.0887



49.4292, 49.2635, 80.6545



51.6013, 49.2635, 35.5048



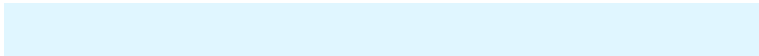
44.3110, 49.2635, 33.4510

Sweetspot

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



42.3516, 49.2654, 77.0899



81.7443, 88.7907, 107.4377



42.1886, 60.1955, 42.3343



17.2109, 18.7590, 22.9637



0.0000, 0.0000, 0.0000



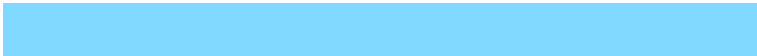
20.3446, 21.4041, 23.3091

Same Dimension

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



42.3516, 49.2654, 77.0899



51.9621, 61.3669, 103.7140



33.7746, 32.1112, 74.2308



13.7422, 14.8234, 17.5246



14.7683, 17.0062, 43.5525



1.1019, 1.3352, 3.0449

Inverse Universe

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



48.5343, 36.1320, 56.0480



61.6960, 42.2252, 70.2418



56.3808, 60.9220, 30.6187



14.1061, 13.8601, 16.3287



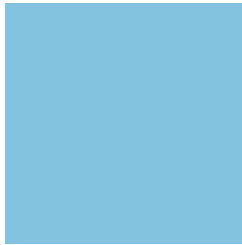
21.3946, 10.6248, 19.2753



1.5224, 0.7522, 1.5440

Previews

White Background



This preview shows how the XYZ color 42.3501, 49.2635, 77.0887 looks on a white background.

Color Contrast Check

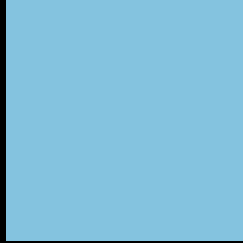
Large Text (above 18pt) WCAG AA × Fail

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 42.3501, 49.2635, 77.0887 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 42.3501, 49.2635, 77.0887

Background



This preview shows how black text looks on a background with the XYZ color 42.3501, 49.2635, 77.0887.



This preview shows how white text looks on a background with the XYZ color 42.3501, 49.2635,

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

42.3501, 49.2635, 77.0887

Protanopia

48.3576, 48.9421, 71.8638

Deuteranopia

49.9839, 49.0142, 78.7778



Tritanopia

41.0298, 49.4037, 70.3242

Trichromacy



Original Color

42.3501, 49.2635, 77.0887

Protanomaly

45.8737, 48.8674, 74.0324

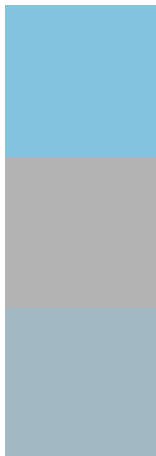
Deuteranomaly

46.6708, 48.8694, 78.2071

Tritanomaly

41.4702, 49.2354, 72.9633

Monochromacy



Original Color

42.3501, 49.2635, 77.0887

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.0996, 46.3194, 58.3514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3501, 49.2635, 77.0887 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, 195, 223)` looks like.

```
.text, #text, p{  
    color:rgb(132, 195, 223)  
}
```

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, 195, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 195, 223) }
```

Border

The CSS property to change the border of an element to XYZ 42.3501, 49.2635, 77.0887 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, 195, 223) }
```


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

```
.border{ border-color:rgb(132, 195, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 195, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 195, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 195, 223); box-shadow:4px 4px 4px 4px rgb(132, 195, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3501, 49.2635, 77.0887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 195, 223) }
```

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

```
.background{ background-color: rgb(132,  
195, 223) }
```

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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