

Converting Colors

XYZ(42.6919, 49.7000, 98.9934)

Have a look what the booklet for
XYZ(42.6919, 49.7000, 98.9934)
contains.

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Color

**XYZ(42.5244, 49.5502,
98.5897)**

Conversions

Conversions Part 1

Format	Color
Hex	63C5FB
RGB	99, 197, 251
RGB Percent	39%, 77%, 98%
CMY	0.6117, 0.2274, 0.0157
CMYK	0.61, 0.22, 0.00, 0.02
HSL	201°, 95%, 69%
HSV	201°, 61%, 98%
XYZ	42.5244, 49.5502, 98.5897
YIQ	173.8540, -75.7420, -3.9820

Conversions

Conversions Part 2

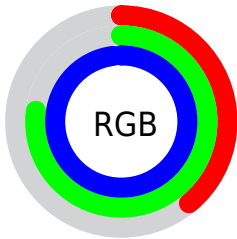
Format	Color
R _Y B	99, 159, 251
Decimal	6538747
CIE Lab	75.79, -13.24, -35.23
CIE LCh	76, 37.631, 249.400
Yxy	49.5502, 0.2230, 0.2599
Android (android.graphics.Color)	4284728827 (0xFF63C5FB)
YUV	173.8540, 38.0330, -65.6470
Hunter-Lab	70.3919, -15.3523, -33.7662

Details

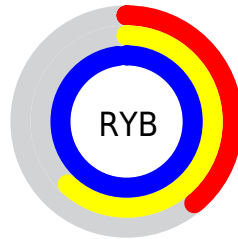
The XYZ color **42.5244, 49.5502, 98.5897** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.4288, 44.1948, 17.5207**, and the grayscale version is **39.9979, 42.0809, 45.8261**.

A 20% lighter version of the original color is **68.1898, 85.6807, 107.5518**, and **19.6852, 23.6045, 54.5575** is the 20% darker color. If you saturate the color by 10%, you get **38.2312, 44.4203, 97.8268**, and if you desaturate by 10%, it is **47.7926, 55.3624, 99.4349**.

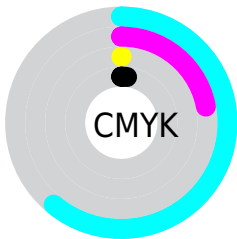
Distribution



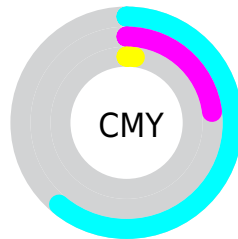
- Red (39%)
- Green (77%)
- Blue (98%)



- Red (39%)
- Yellow (62%)
- Blue (98%)



- Cyan (61%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)



- Cyan (61%)
- Magenta (23%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5244, 49.5502, 98.5897 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 42.5244, 49.5502, 98.5897 by changing the saturation by 10% instead.

■ 42.5244, 49.5502,
98.5897

■ 42.5244, 49.5502,
98.5897

347.6070,
384.9043, 576.8696

■ 29.7050, 35.0561,
74.5130

■ 78.2529, 89.5081,
161.2527

■ 19.7618, 23.7061,
54.7146

■ 101.8927,
115.7407, 200.6760

■ 12.3292, 15.1158,
38.7763

■ 129.8700,
146.6549, 246.0519

■ 7.0421, 8.9007,
26.2792

162.5502,
182.6352, 297.7990

■ 3.5350, 4.6764,
16.8050

200.2987,
224.0658, 356.3358

■ 1.4426, 2.0587,
9.9351

243.4807,

■ 0.2863, 0.6412,

271.3313, 422.0808

5.2509

292.4617,
324.8160, 495.4525

■ 0.0000, 0.0000,
2.3339

■ 0.0000, 0.0000,
0.7501

■ 42.5244, 49.5502,
98.5897

■ 42.5244, 49.5502,
98.5897

■ 38.2312, 44.4203,
97.8268

■ 47.7926, 55.3624,
99.4349

■ 34.8240, 39.9210,
97.1379

■ 54.1042, 61.8923,
100.3626

■ 32.2044, 35.9994,
96.5190

■ 61.5268, 69.1787,
101.3778

■ 30.3030, 32.7455,
95.9912

■ 70.1205, 77.2553,
102.4838

■ 79.9409, 86.1536,
103.6838

■ 91.0400, 95.9031,
104.9806

■ 94.4128, 99.7451,
105.5444

Harmonies

Analogous

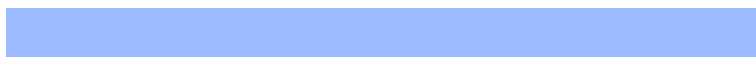
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.4564, 49.5502, 82.2521



42.5244, 49.5502, 98.5897



49.3251, 49.5502, 101.5239

Triad

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



42.5244, 49.5502, 98.5897



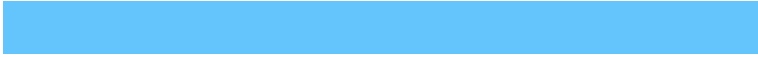
61.6365, 49.5502, 47.9069



39.0710, 49.5502, 29.3422

Complementary

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



42.5244, 49.5502, 98.5897



53.4288, 44.1948, 17.5207

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.



44.9351, 49.5502, 24.1934



42.5244, 49.5502, 98.5897



58.2619, 49.5502, 33.0250

Square

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



42.5244, 49.5502, 98.5897



60.8279, 49.5502, 68.6569



51.9840, 49.5502, 25.3502



35.6038, 49.5502, 41.5122

Rectangle

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



42.5244, 49.5502, 98.5897



54.0056, 49.5502, 94.9062



51.9840, 49.5502, 25.3502



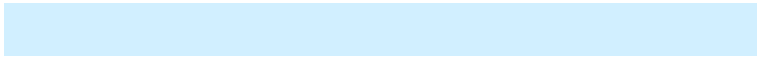
40.8024, 49.5502, 26.8887

Sweetspot

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



42.5261, 49.5520, 98.5909



75.1496, 82.3434, 106.5408



45.3283, 73.9219, 41.6733



15.4821, 17.0710, 22.7290



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.



42.5261, 49.5520, 98.5909



38.6626, 44.8177, 101.2207



29.4950, 23.4898, 94.2472



17.2167, 18.5102, 22.0507



16.0708, 17.4971, 50.5038



1.5883, 1.8204, 4.7108

Inverse Universe

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



54.3250, 33.4659, 56.4214



52.5298, 29.1662, 50.9295



69.8356, 77.0086, 22.9897



17.7159, 17.4137, 20.3598



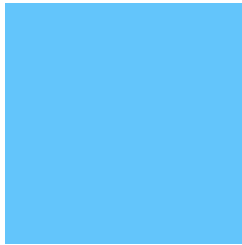
24.4038, 12.1772, 19.3667



2.3106, 1.1480, 2.0593

Previews

White Background



This preview shows how the XYZ color 42.5244, 49.5502, 98.5897 looks on a white background.

Color Contrast Check

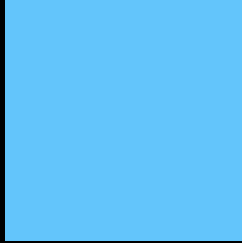
Large Text (above 18pt) WCAG AA × Fail

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 42.5244, 49.5502, 98.5897 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

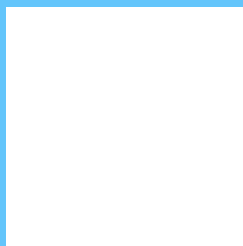
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5244, 49.5502, 98.5897

Background



This preview shows how black text looks on a background with the XYZ color 42.5244, 49.5502, 98.5897.

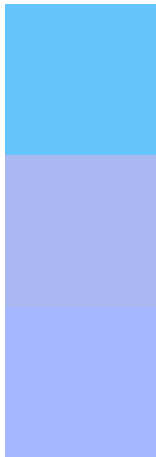


This preview shows how white text looks on a background with the XYZ color 42.5244, 49.5502,

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

42.5244, 49.5502, 98.5897

Protanopia

49.5952, 49.1779, 90.0974

Deuteranopia

50.3399, 49.0221, 100.5749



Tritanopia

37.8884, 49.7576, 74.6251

Trichromacy



Original Color

42.5244, 49.5502, 98.5897

Protanomaly

46.1806, 48.9171, 93.3942

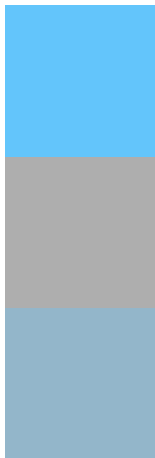
Deuteranomaly

46.6973, 48.7210, 99.8714

Tritanomaly

39.5269, 49.7165, 83.1143

Monochromacy



Original Color

42.5244, 49.5502, 98.5897

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.4212, 43.9232, 62.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5244, 49.5502, 98.5897 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(99, 197, 251)` looks like.

```
.text, #text, p{  
    color:rgb(99, 197, 251)  
}
```

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(99, 197, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 197, 251) }
```

Border

The CSS property to change the border of an element to XYZ 42.5244, 49.5502, 98.5897 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(99, 197, 251) }
```


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

```
.border{ border-color:rgb(99, 197, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 197, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 197, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 197, 251);  
box-shadow:4px 4px 4px 4px rgb(99, 197,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5244, 49.5502, 98.5897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 197, 251) }
```

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

```
.background{ background-color: rgb(99, 197,  
251) }
```

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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