

Converting Colors

XYZ(40.8919, 47.5432, 99.2047)

Have a look what the booklet for
XYZ(40.8919, 47.5432, 99.2047)
contains.

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Color

**XYZ(40.9823, 47.7357,
99.1494)**

Conversions

Conversions Part 1

Format	Color
Hex	59C2FC
RGB	89, 194, 252
RGB Percent	35%, 76%, 99%
CMY	0.6509, 0.2392, 0.0118
CMYK	0.65, 0.23, 0.00, 0.01
HSL	201°, 96%, 67%
HSV	201°, 65%, 99%
XYZ	40.9823, 47.7357, 99.1494
YIQ	169.2170, -81.1980, -4.2220

Conversions

Conversions Part 2

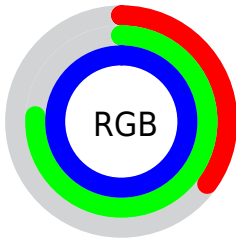
Format	Color
R _Y B	89, 153, 252
Decimal	5882620
CIE Lab	74.66, -13.03, -37.55
CIE LCh	75, 39.743, 250.861
Yxy	47.7357, 0.2181, 0.2541
Android (android.graphics.Color)	4284072700 (0xFF59C2FC)
YUV	169.2170, 40.8120, -70.3503
Hunter-Lab	69.0910, -15.0295, -36.7207

Details

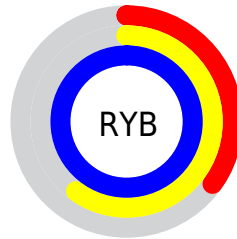
The XYZ color **40.9823, 47.7357, 99.1494** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **52.3838, 42.2870, 14.8545**, and the grayscale version is **37.6545, 39.6154, 43.1412**.

A 20% lighter version of the original color is **65.3725, 82.3635, 107.0600**, and **19.2284, 22.6963, 54.9971** is the 20% darker color. If you saturate the color by 10%, you get **37.0292, 42.8247, 98.4108**, and if you desaturate by 10%, it is **45.8864, 53.3174, 99.9692**.

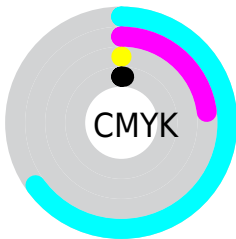
Distribution



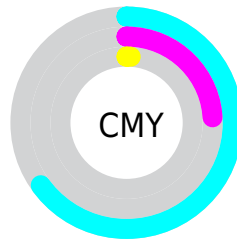
- Red (35%)
- Green (76%)
- Blue (99%)



- Red (35%)
- Yellow (60%)
- Blue (99%)



- Cyan (65%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)



- Cyan (65%)
- Magenta (24%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9823, 47.7357, 99.1494 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 40.9823, 47.7357, 99.1494 by changing the saturation by 10% instead.

40.9823, 47.7357,
99.1494

40.9823, 47.7357,
99.1494

341.3105,
377.7435, 578.6855

28.4929, 33.6176,
74.9774

75.9319, 86.8108,
162.0294

18.8399, 22.6000,
55.0928

99.1228, 112.5365,
201.5746

11.6579, 14.2984,
39.0769

126.6115,
142.9003, 247.0812

6.5817, 8.3285,
26.5113

158.7635,
178.2866, 298.9679

3.2459, 4.3059,
16.9773

195.9440,
219.0796, 357.6531

1.2851, 1.8461,
10.0565

238.5184,

0.1720, 0.5157,

265.6638, 423.5554

5.3304

286.8521,
318.4237, 497.0934

■ 0.0000, 0.0000,
2.3803

■ 0.0000, 0.0000,
0.7757

■ 40.9823, 47.7357,
99.1494

■ 40.9823, 47.7357,
99.1494

■ 37.0292, 42.8247,
98.4108

■ 45.8864, 53.3174,
99.9692

■ 33.9316, 38.5296,
97.7450

■ 51.8146, 59.6081,
100.8710

■ 31.5802, 34.7916,
97.1474

■ 58.8380, 66.6481,
101.8597

■ 30.5494, 32.9854,
96.8531

■ 67.0196, 74.4730,
102.9388

■ 76.4173, 83.1153,
104.1117

■ 87.0850, 92.6056,
105.3812

94.5709, 99.8083,
106.3769

Harmonies

Analogous

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



35.6862, 47.7357, 82.4684



40.9823, 47.7357, 99.1494



48.0302, 47.7357, 101.4451

Triad

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



40.9823, 47.7357, 99.1494



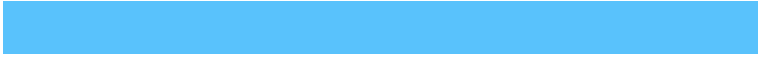
60.3702, 47.7357, 44.8575



36.9037, 47.7357, 27.3876

Complementary

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



40.9823, 47.7357, 99.1494



52.3838, 42.2870, 14.8545

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.



42.8124, 47.7357, 21.9529



40.9823, 47.7357, 99.1494



56.6672, 47.7357, 30.1133

Square

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



40.9823, 47.7357, 99.1494



59.7467, 47.7357, 66.0883



50.0631, 47.7357, 22.7972



33.5093, 47.7357, 40.0310

Rectangle

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



40.9823, 47.7357, 99.1494



52.8495, 47.7357, 93.9783



50.0631, 47.7357, 22.7972



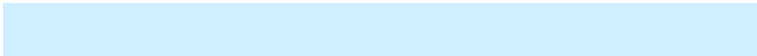
38.6342, 47.7357, 24.8304

Sweetspot

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



40.9840, 47.7374, 99.1506



74.1612, 81.4299, 106.4166



44.1242, 73.8229, 39.1408



15.2882, 16.8895, 22.7042



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.



40.9840, 47.7374, 99.1506



36.8735, 42.4378, 100.8556



27.6479, 21.0654, 94.7052



17.2158, 18.5085, 22.0504



16.0576, 17.4708, 50.4994



1.5872, 1.8180, 4.7104

Inverse Universe

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



53.4564, 31.7371, 54.3489



51.3343, 27.5681, 48.0862



69.5693, 76.6579, 20.5830



17.7155, 17.4136, 20.3575



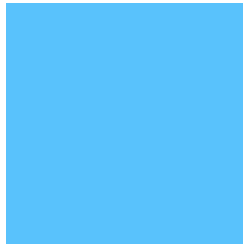
24.3972, 12.1746, 19.3317



2.3101, 1.1478, 2.0562

Previews

White Background



This preview shows how the XYZ color 40.9823, 47.7357, 99.1494 looks on a white background.

Color Contrast Check

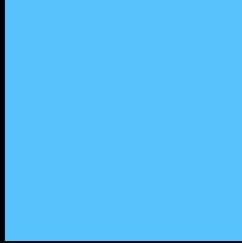
Large Text (above 18pt) WCAG AA × Fail

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 40.9823, 47.7357, 99.1494 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

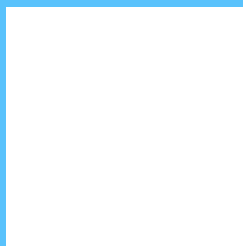
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9823, 47.7357, 99.1494

Background



This preview shows how black text looks on a background with the XYZ color 40.9823, 47.7357, 99.1494.

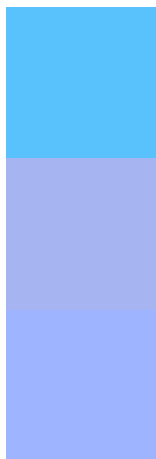


This preview shows how white text looks on a background with the XYZ color 40.9823, 47.7357,

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

40.9823, 47.7357, 99.1494

Protanopia

48.0742, 47.1603, 90.5735

Deuteranopia

48.4718, 47.1316, 101.1503



Tritanopia

35.7044, 47.6204, 72.9555

Trichromacy



Original Color

40.9823, 47.7357, 99.1494

Protanomaly

44.4647, 46.7550, 93.8699

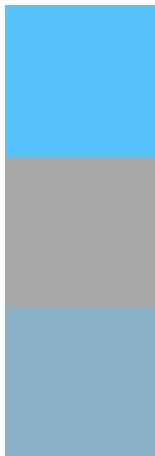
Deuteranomaly

44.9112, 46.8402, 100.4399

Tritanomaly

37.5376, 47.6791, 82.0875

Monochromacy



Original Color

40.9823, 47.7357, 99.1494

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0444, 41.5398, 60.0984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9823, 47.7357, 99.1494 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(89, 194, 252)` looks like.

```
.text, #text, p{  
    color:rgb(89, 194, 252)  
}
```

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(89, 194, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 194, 252) }
```

Border

The CSS property to change the border of an element to XYZ 40.9823, 47.7357, 99.1494 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(89, 194, 252) }
```


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

```
.border{ border-color:rgb(89, 194, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 194, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 194, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 194, 252);  
box-shadow:4px 4px 4px 4px rgb(89, 194,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9823, 47.7357, 99.1494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 194, 252) }
```

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

```
.background{ background-color: rgb(89, 194,  
252) }
```

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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