

Converting Colors

XYZ(40.8759, 43.5907, 96.9000)

Have a look what the booklet for
XYZ(40.8759, 43.5907, 96.9000)
contains.

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Color

**XYZ(40.8494, 43.5947,
96.7041)**

Conversions

Conversions Part 1

Format	Color
Hex	73B5FA
RGB	115, 181, 250
RGB Percent	45%, 71%, 98%
CMY	0.5490, 0.2902, 0.0196
CMYK	0.54, 0.28, 0.00, 0.02
HSL	211°, 93%, 72%
HSV	211°, 54%, 98%
XYZ	40.8494, 43.5947, 96.7041
YIQ	169.1320, -61.4850, 7.4670

Conversions

Conversions Part 2

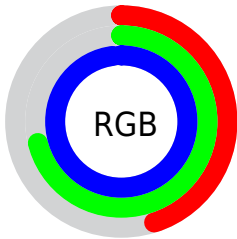
Format	Color
R _Y B	115, 159, 250
Decimal	7583226
CIE Lab	71.96, -1.80, -40.60
CIE LCh	72, 40.637, 267.467
Yxy	43.5947, 0.2255, 0.2407
Android (android.graphics.Color)	4285773306 (0xFF73B5FA)
YUV	169.1320, 39.8679, -47.4738
Hunter-Lab	66.0263, -5.1109, -40.6195

Details

The XYZ color **40.8494, 43.5947, 96.7041** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.6611, 55.8451, 23.8563**, and the grayscale version is **37.6096, 39.5682, 43.0898**.

A 20% lighter version of the original color is **65.7897, 76.7870, 105.9616**, and **18.6602, 19.9667, 53.3225** is the 20% darker color. If you saturate the color by 10%, you get **35.5167, 37.1644, 95.7448**, and if you desaturate by 10%, it is **47.3148, 50.9642, 97.7866**.

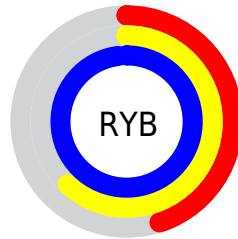
Distribution



Red (45%)

Green (71%)

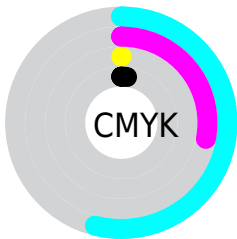
Blue (98%)



Red (45%)

Yellow (62%)

Blue (98%)

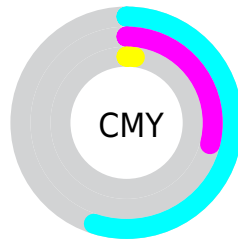


Cyan (54%)

Magenta (28%)

Yellow (0%)

Black (2%)



Cyan (55%)

Magenta (29%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8494, 43.5947, 96.7041 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 40.8494, 43.5947, 96.7041 by changing the saturation by 10% instead.

■ 40.8494, 43.5947,
96.7041

■ 40.8494, 43.5947,
96.7041

340.7641,
361.0518, 570.7293

■ 28.3886, 30.3520,
72.9494

■ 75.7314, 80.6075,
158.6326

■ 18.7607, 20.1059,
53.4430

■ 98.8832, 105.1464,
197.6434

■ 11.6005, 12.4721,
37.7664

■ 126.3295,
134.2195, 242.5767

■ 6.5425, 7.0660,
25.5010

158.4355,
168.2112, 293.8511

■ 3.2214, 3.5034,
16.2283

195.5666,
207.5059, 351.8850

■ 1.2719, 1.3999,
9.5298

238.0882,

■ 0.1621, 0.2166,

252.4880, 417.0969

4.9868

286.3656,
303.5418, 489.9055

■ 0.0000, 0.0000,
2.1809

■ 0.0000, 0.0000,
0.6633

■ 40.8494, 43.5947,
96.7041

■ 40.8494, 43.5947,
96.7041

■ 35.5167, 37.1644,
95.7448

■ 47.3148, 50.9642,
97.7866

■ 31.2317, 31.6178,
94.9001

■ 54.9799, 59.3143,
98.9944

■ 27.9035, 26.8990,
94.1647

■ 63.9118, 68.6891,
100.3331

■ 25.4206, 22.9399,
93.5314

■ 74.1707, 79.1281,
101.8074

■ 24.2421, 20.8755,
93.1950

■ 85.8130, 90.6686,
103.4213

■ 94.2555, 99.6822,
104.7161

Harmonies

Analogous

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



34.6752, 43.5947, 87.4531



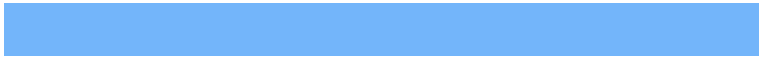
40.8494, 43.5947, 96.7041



47.8897, 43.5947, 90.0120

Triad

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



40.8494, 43.5947, 96.7041



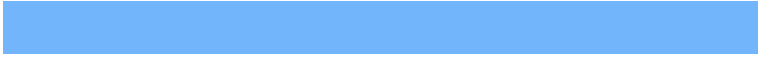
54.4173, 43.5947, 31.9528



31.1869, 43.5947, 29.7614

Complementary

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



40.8494, 43.5947, 96.7041



59.6611, 55.8451, 23.8563

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.



35.5888, 43.5947, 21.0220



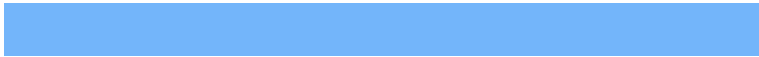
40.8494, 43.5947, 96.7041



49.0218, 43.5947, 22.0171

Square

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



40.8494, 43.5947, 96.7041



56.2225, 43.5947, 49.1737



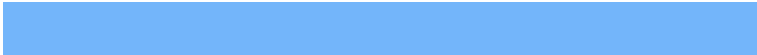
42.0271, 43.5947, 18.6405



29.4991, 43.5947, 45.8007

Rectangle

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



40.8494, 43.5947, 96.7041



52.0495, 43.5947, 78.2178



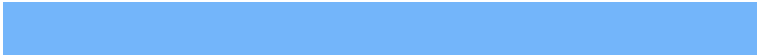
42.0271, 43.5947, 18.6405



32.3723, 43.5947, 26.0622

Sweetspot

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



40.8509, 43.5963, 96.7052



75.3045, 80.4752, 106.1720



49.7526, 75.4154, 56.4638



15.6328, 16.7337, 22.6559



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.



40.8509, 43.5963, 96.7052



36.6215, 38.2115, 100.0531



30.4580, 22.8104, 93.2409



16.9836, 18.0441, 21.9730



13.0018, 11.3591, 49.4808



1.3099, 1.2636, 4.6180

Inverse Universe

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



53.8969, 35.9234, 47.8107



52.1156, 31.3594, 41.4764



76.7055, 89.9340, 29.5377



17.5983, 17.3667, 19.7402



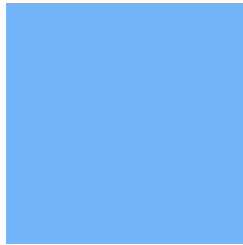
22.8547, 11.5576, 11.2093



2.1701, 1.0918, 1.3193

Previews

White Background



This preview shows how the XYZ color 40.8494, 43.5947, 96.7041 looks on a white background.

Color Contrast Check

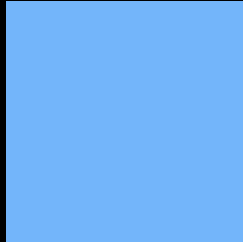
Large Text (above 18pt) WCAG AA × Fail

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 40.8494, 43.5947, 96.7041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

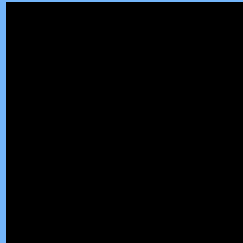
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

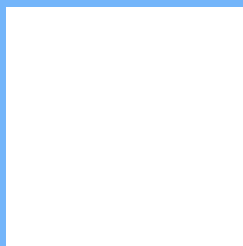
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8494, 43.5947, 96.7041

Background



This preview shows how black text looks on a background with the XYZ color 40.8494, 43.5947, 96.7041.



This preview shows how white text looks on a background with the XYZ color 40.8494, 43.5947,

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

40.8494, 43.5947, 96.7041

Protanopia

44.5991, 43.2888, 91.5929

Deuteranopia

44.5608, 43.4114, 98.1261



Tritanopia

34.5785, 43.8873, 64.4062

Trichromacy



Original Color

40.8494, 43.5947, 96.7041

Protanomaly

42.9751, 43.2799, 93.2776

Deuteranomaly

43.1264, 43.5602, 97.4017

Tritanomaly

36.6472, 43.7644, 74.9225

Monochromacy



Original Color

40.8494, 43.5947, 96.7041

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5310, 40.3539, 59.2371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8494, 43.5947, 96.7041 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(115, 181, 250)` looks like.

```
.text, #text, p{  
    color:rgb(115, 181, 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(115, 181, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 181, 250) }
```

Border

The CSS property to change the border of an element to XYZ 40.8494, 43.5947, 96.7041 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(115, 181, 250) }
```


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

```
.border{ border-color:rgb(115, 181, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 181, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 181, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 181, 250);  
box-shadow:4px 4px 4px 4px rgb(115, 181,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8494, 43.5947, 96.7041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 181, 250) }
```

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

```
.background{ background-color: rgb(115,  
181, 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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