

Converting Colors

XYZ(40.2836, 44.9104, 97.5060)

Have a look what the booklet for
XYZ(40.2836, 44.9104, 97.5060)
contains.

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Color

**XYZ(40.3383, 44.8495,
97.7976)**

Conversions

Conversions Part 1

Format	Color
Hex	65BAFB
RGB	101, 186, 251
RGB Percent	40%, 73%, 98%
CMY	0.6039, 0.2706, 0.0157
CMYK	0.60, 0.26, 0.00, 0.02
HSL	206°, 95%, 69%
HSV	206°, 60%, 98%
XYZ	40.3383, 44.8495, 97.7976
YIQ	167.9950, -71.5250, 2.1950

Conversions

Conversions Part 2

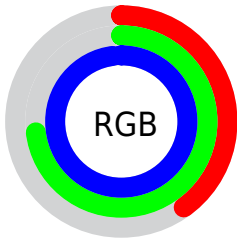
Format	Color
RYB	101, 155, 251
Decimal	6667003
CIELab	72.79, -6.98, -39.88
CIELCh	73, 40.484, 260.073
Yxy	44.8495, 0.2204, 0.2451
Android (android.graphics.Color)	4284857083 (0xFF65BAFB)
YUV	167.9950, 40.9215, -58.7546
Hunter-Lab	66.9698, -9.6801, -39.7038

Details

The XYZ color **40.3383, 44.8495, 97.7976** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.7708, 48.7240, 18.7791**, and the grayscale version is **37.0493, 38.9788, 42.4479**.

A 20% lighter version of the original color is **64.7024, 78.4056, 106.3314**, and **18.4344, 20.8295, 54.0878** is the 20% darker color. If you saturate the color by 10%, you get **35.7403, 39.2066, 96.9516**, and if you desaturate by 10%, it is **45.9717, 51.2867, 98.7441**.

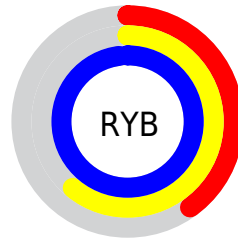
Distribution



Red (40%)

Green (73%)

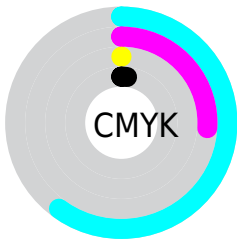
Blue (98%)



Red (40%)

Yellow (61%)

Blue (98%)

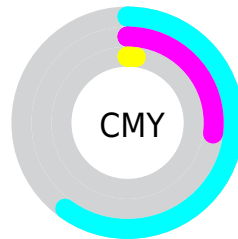


Cyan (60%)

Magenta (26%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (27%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3383, 44.8495, 97.7976 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 40.3383, 44.8495, 97.7976 by changing the saturation by 10% instead.

■ 40.3383, 44.8495,
97.7976

■ 40.3383, 44.8495,
97.7976

338.6574,
366.1637, 574.2945

■ 27.9878, 31.3389,
73.8559

■ 74.9595, 82.4945,
160.1527

■ 18.4569, 20.8570,
54.1800

■ 97.9608, 107.3977,
199.4031

■ 11.3802, 13.0195,
38.3515

■ 125.2432,
136.8673, 244.5935

■ 6.3923, 7.4420,
25.9516

157.1719,
171.2875, 296.1425

■ 3.1280, 3.7400,
16.5620

194.1123,
211.0429, 354.4685

■ 1.2218, 1.5292,
9.7641

236.4298,

■ 0.1235, 0.3092,

256.5178, 419.9902

5.1393

284.4897,
308.0966, 493.1260

■ 0.0000, 0.0000,
2.2690

■ 0.0000, 0.0000,
0.7138

■ 40.3383, 44.8495,
97.7976

■ 40.3383, 44.8495,
97.7976

■ 35.7403, 39.2066,
96.9516

■ 45.9717, 51.2867,
98.7441

■ 32.0883, 34.3039,
96.1978

■ 52.7104, 58.5574,
99.7923

■ 29.2835, 30.0851,
95.5313

■ 60.6230, 66.7031,
100.9475

■ 27.1671, 26.4625,
94.9436

■ 69.7708, 75.7607,
102.2137

■ 27.1202, 26.3800,
94.9302

■ 80.2107, 85.7646,
103.5944

■ 91.9958, 96.7471,
105.0931

■ 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.



34.5222, 44.8495, 84.9742



40.3383, 44.8495, 97.7976



47.4414, 44.8495, 95.0074

Triad

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



40.3383, 44.8495, 97.7976



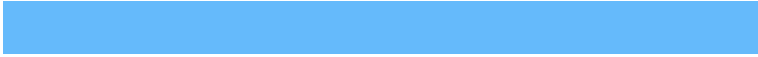
56.6377, 44.8495, 36.7074



33.0734, 44.8495, 27.9503

Complementary

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



40.3383, 44.8495, 97.7976



55.7708, 48.7240, 18.7791

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.



38.1519, 44.8495, 20.7355



40.3383, 44.8495, 97.7976



51.9128, 44.8495, 24.7421

Square

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



40.3383, 44.8495, 97.7976



57.3893, 44.8495, 55.8215



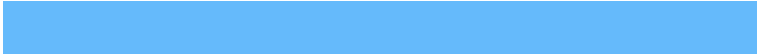
45.0030, 44.8495, 19.7498



30.6436, 44.8495, 42.4545

Rectangle

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



40.3383, 44.8495, 97.7976



51.9428, 44.8495, 84.8828



45.0030, 44.8495, 19.7498



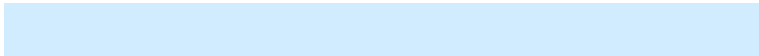
34.4994, 44.8495, 24.7823

Sweetspot

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



40.3399, 44.8511, 97.7987



74.1125, 80.2693, 106.1951



46.7486, 74.5156, 47.9978



15.2285, 16.5637, 22.6444



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.



40.3399, 44.8511, 97.7987



36.0933, 39.4055, 100.3114



28.4657, 21.1027, 93.8406



17.0993, 18.2755, 22.0116



14.4030, 14.1615, 49.9479



1.4393, 1.5224, 4.6612

Inverse Universe

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



53.3017, 33.3636, 50.0862



51.2997, 28.9299, 43.6636



73.5892, 84.3607, 24.7186



17.6567, 17.3900, 20.0478



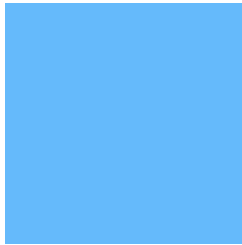
23.5620, 11.8405, 14.9337



2.2354, 1.1179, 1.6632

Previews

White Background



This preview shows how the XYZ color 40.3383, 44.8495, 97.7976 looks on a white background.

Color Contrast Check

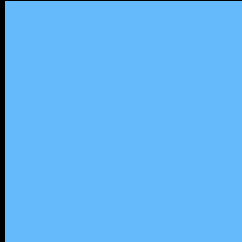
Large Text (above 18pt) WCAG AA × Fail

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 40.3383, 44.8495, 97.7976 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 40.3383, 44.8495, 97.7976

Background



This preview shows how black text looks on a background with the XYZ color 40.3383, 44.8495, 97.7976.



This preview shows how white text looks on a background with the XYZ color 40.3383, 44.8495,

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

40.3383, 44.8495, 97.7976

Protanopia

45.6082, 44.4001, 90.9603

Deuteranopia

45.6494, 44.5321, 99.1181



Tritanopia

34.3677, 45.0260, 67.2011

Trichromacy



Original Color

40.3383, 44.8495, 97.7976

Protanomaly

43.0712, 44.2124, 93.4525

Deuteranomaly

43.4077, 44.5763, 98.4117

Tritanomaly

36.3018, 44.8171, 77.2583

Monochromacy



Original Color

40.3383, 44.8495, 97.7976

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.0246, 40.6665, 59.3241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3383, 44.8495, 97.7976 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(101, 186, 251)` looks like.

```
.text, #text, p{  
    color:rgb(101, 186, 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(101, 186, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 186, 251) }
```

Border

The CSS property to change the border of an element to XYZ 40.3383, 44.8495, 97.7976 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(101, 186, 251) }
```


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

```
.border{ border-color:rgb(101, 186, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 186, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 186, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 186, 251);  
box-shadow:4px 4px 4px 4px rgb(101, 186,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3383, 44.8495, 97.7976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 186, 251) }
```

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

```
.background{ background-color: rgb(101,  
186, 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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