

Converting Colors

XYZ(38.9979, 45.1008, 83.7407)

Have a look what the booklet for
XYZ(38.9979, 45.1008, 83.7407)
contains.

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Color

**XYZ(38.9979, 45.1008,
83.7407)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBCE9
RGB	109, 188, 233
RGB Percent	43%, 74%, 91%
CMY	0.5725, 0.2627, 0.0863
CMYK	0.53, 0.19, 0.00, 0.09
HSL	202°, 74%, 67%
HSV	202°, 53%, 91%
XYZ	38.9979, 45.1008, 83.7407
YIQ	169.5090, -61.5290, -2.7530

Conversions

Conversions Part 2

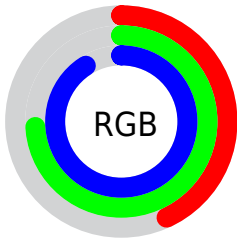
Format	Color
RYB	109, 157, 233
Decimal	7191785
CIELab	72.96, -11.90, -29.86
CIELCh	73, 32.149, 248.272
Yxy	45.1008, 0.2324, 0.2687
Android (android.graphics.Color)	4285381865 (0xFF6DBCE9)
YUV	169.5090, 31.3011, -53.0664
Hunter-Lab	67.1571, -13.8707, -26.9209

Details

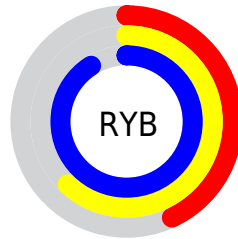
The XYZ color **38.9979, 45.1008, 83.7407** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.9217, 41.5409, 19.9623**, and the grayscale version is **37.8371, 39.8076, 43.3505**.

A 20% lighter version of the original color is **66.5491, 80.2462, 106.5893**, and **17.6820, 21.0602, 44.7281** is the 20% darker color. If you saturate the color by 10%, you get **34.7488, 40.3077, 83.0403**, and if you desaturate by 10%, it is **44.1154, 50.5005, 84.5141**.

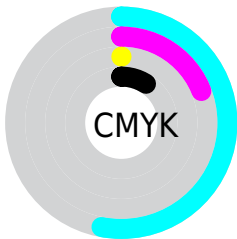
Distribution



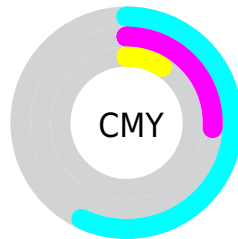
- Red (43%)
- Green (74%)
- Blue (91%)



- Red (43%)
- Yellow (62%)
- Blue (91%)



- Cyan (53%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (57%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9979, 45.1008, 83.7407 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 38.9979, 45.1008, 83.7407 by changing the saturation by 10% instead.

■ 38.9979, 45.1008,
83.7407

■ 38.9979, 45.1008,
83.7407

333.0889,
367.1816, 527.4873

■ 26.9388, 31.5368,
62.2572

■ 72.9292, 82.8717,
140.4709

■ 17.6636, 21.0080,
44.8034

■ 95.5321, 107.8473,
176.5547

■ 10.8070, 13.1298,
30.9608

■ 122.3804,
137.3957, 218.3423

■ 6.0035, 7.5180,
20.3108

153.8393,
171.9011, 266.2524

■ 2.8879, 3.7881,
12.4348

190.2743,
211.7481, 320.7034

■ 1.0948, 1.5558,
6.9144

232.0506,

■ 0.0207, 0.3275,

257.3209, 382.1138

3.3310

279.5337,
309.0039, 450.9023

■ 0.0000, 0.0000,
1.2660

■ 0.0000, 0.0000,
0.0337

■ 38.9979, 45.1008,
83.7407

■ 38.9979, 45.1008,
83.7407

■ 34.7488, 40.3077,
83.0403

■ 44.1154, 50.5005,
84.5141

■ 31.3005, 36.0809,
82.4062

■ 50.1532, 56.5336,
85.3603

■ 28.5814, 32.3818,
81.8355

■ 57.1644, 63.2307,
86.2835

■ 26.5038, 29.1623,
81.3236

■ 65.1963, 70.6187,
87.2862

■ 25.3678, 27.2025,
81.0052

■ 74.2930, 78.7228,
88.3710

■ 84.4959, 87.5668,
89.5403

■ 89.2679, 93.7829,
90.4886

■ 91.7081, 98.6633,
91.3020

Harmonies

Analogous

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



34.9469, 45.1008, 70.8242



38.9979, 45.1008, 83.7407



44.4369, 45.1008, 86.4424

Triad

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



38.9979, 45.1008, 83.7407



54.4468, 45.1008, 44.7972



36.5293, 45.1008, 28.6346

Complementary

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



38.9979, 45.1008, 83.7407



47.9217, 41.5409, 19.9623

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.



41.3344, 45.1008, 24.4491



38.9979, 45.1008, 83.7407



51.9014, 45.1008, 32.3563

Square

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



38.9979, 45.1008, 83.7407



53.6835, 45.1008, 61.4490



46.9838, 45.1008, 25.6445



33.6106, 45.1008, 38.5394

Rectangle

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



38.9979, 45.1008, 83.7407



48.1795, 45.1008, 81.6326



46.9838, 45.1008, 25.6445



37.9600, 45.1008, 26.6226

Sweetspot

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



38.9994, 45.1025, 83.7418



77.0570, 83.9804, 106.7562



41.1474, 63.8104, 40.0277



16.0508, 17.5696, 22.7953



0.0000, 0.0000, 0.0000



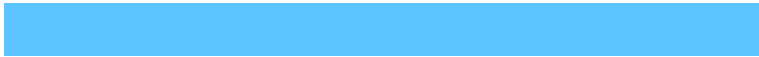
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9994, 45.1025, 83.7418



42.1326, 48.8629, 101.8186



28.6834, 24.4705, 80.3031



15.0314, 16.1492, 19.2471



14.5159, 15.6787, 46.0042



1.2307, 1.4129, 3.6427

Inverse Universe

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



48.1514, 31.8934, 51.1967



54.9879, 32.8549, 55.5331



60.5137, 66.7249, 24.1596



15.4694, 15.2156, 17.7571



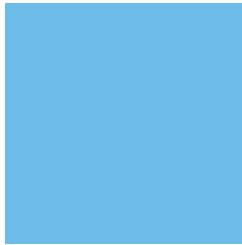
22.1822, 11.0756, 17.2929



1.7877, 0.8880, 1.5994

Previews

White Background



This preview shows how the XYZ color 38.9979, 45.1008, 83.7407 looks on a white background.

Color Contrast Check

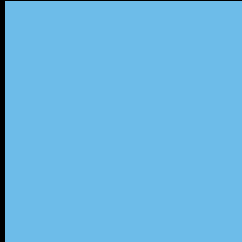
Large Text (above 18pt) WCAG AA × Fail

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 38.9979, 45.1008, 83.7407 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

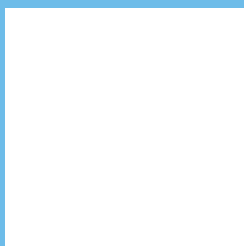
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9979, 45.1008, 83.7407

Background



This preview shows how black text looks on a background with the XYZ color 38.9979, 45.1008, 83.7407.



This preview shows how white text looks on a background with the XYZ color 38.9979, 45.1008,

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

38.9979, 45.1008, 83.7407

Protanopia

44.7058, 44.5395, 76.7617

Deuteranopia

45.7801, 44.6086, 85.5543



Tritanopia

35.4903, 44.9627, 66.4826

Trichromacy



Original Color

38.9979, 45.1008, 83.7407

Protanomaly

41.8634, 44.2083, 78.9997

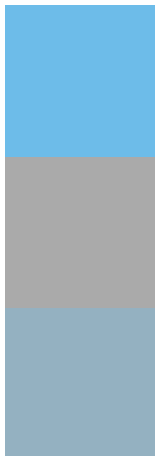
Deuteranomaly

42.8183, 44.5700, 84.9434

Tritanomaly

36.7487, 45.1549, 72.4246

Monochromacy



Original Color

38.9979, 45.1008, 83.7407

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.5605, 41.5904, 56.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9979, 45.1008, 83.7407 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(109, 188, 233)` looks like.

```
.text, #text, p{  
    color:rgb(109, 188, 233)  
}
```

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(109, 188, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 188, 233) }
```

Border

The CSS property to change the border of an element to XYZ 38.9979, 45.1008, 83.7407 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(109, 188, 233) }
```


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

```
.border{ border-color:rgb(109, 188, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 188, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 188, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 188, 233);  
box-shadow:4px 4px 4px 4px rgb(109, 188,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9979, 45.1008, 83.7407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 188, 233) }
```

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

```
.background{ background-color: rgb(109,  
188, 233) }
```

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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