

Converting Colors

XYZ(39.8682, 47.2669, 82.0996)

Have a look what the booklet for
XYZ(39.8682, 47.2669, 82.0996)
contains.

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Color

**XYZ(39.7833, 47.1681,
81.8705)**

Conversions

Conversions Part 1

Format	Color
Hex	6EC1E6
RGB	110, 193, 230
RGB Percent	43%, 76%, 90%
CMY	0.5686, 0.2431, 0.0980
CMYK	0.52, 0.16, 0.00, 0.10
HSL	198°, 71%, 67%
HSV	198°, 52%, 90%
XYZ	39.7833, 47.1681, 81.8705
YIQ	172.4010, -61.3450, -6.0890

Conversions

Conversions Part 2

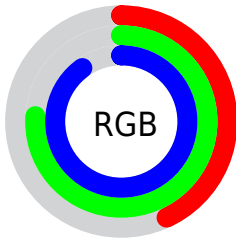
Format	Color
R _Y B	110, 159, 230
Decimal	7258598
CIE Lab	74.30, -15.20, -26.18
CIE LCh	74, 30.272, 239.870
Yxy	47.1681, 0.2357, 0.2794
Android (android.graphics.Color)	4285448678 (0xFF6EC1E6)
YUV	172.4010, 28.3963, -54.7257
Hunter-Lab	68.6790, -16.7897, -22.6027

Details

The XYZ color **39.7833, 47.1681, 81.8705** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.8826, 38.8177, 19.8277**, and the grayscale version is **39.3001, 41.3467, 45.0266**.

A 20% lighter version of the original color is **68.0741, 83.2962, 107.0976**, and **18.0449, 22.1256, 43.3640** is the 20% darker color. If you saturate the color by 10%, you get **35.7543, 42.8202, 81.2445**, and if you desaturate by 10%, it is **44.6331, 52.0527, 82.5586**.

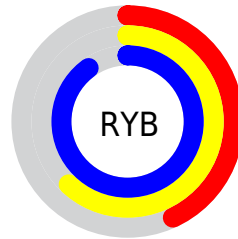
Distribution



Red (43%)

Green (76%)

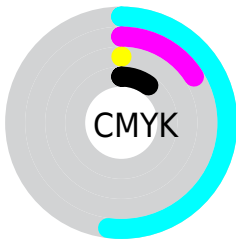
Blue (90%)



Red (43%)

Yellow (62%)

Blue (90%)

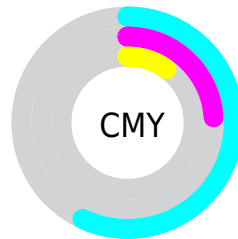


Cyan (52%)

Magenta (16%)

Yellow (0%)

Black (10%)



Cyan (57%)

Magenta (24%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7833, 47.1681, 81.8705 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 39.7833, 47.1681, 81.8705 by changing the saturation by 10% instead.

■ 39.7833, 47.1681,
81.8705

■ 39.7833, 47.1681,
81.8705

336.3595,
375.4851, 521.0865

■ 27.5531, 33.1686,
60.7236

■ 74.1199, 85.9645,
137.8274

■ 18.1278, 22.2556,
43.5730

■ 96.9569, 111.5301,
173.4746

■ 11.1420, 14.0448,
30.0003

■ 124.0603,
141.7199, 214.7922

■ 6.2304, 8.1519,
19.5867

155.7953,
176.9183, 262.1988

■ 3.0277, 4.1923,
11.9139

192.5274,
217.5096, 316.1130

■ 1.1684, 1.7817,
6.5633

234.6219,

■ 0.0812, 0.4757,

263.8782, 376.9533

3.1162

282.4441,
316.4086, 445.1383

■ 0.0000, 0.0000,
1.1543

■ 0.0000, 0.0000,
0.0000

■ 39.7833, 47.1681,
81.8705

■ 39.7833, 47.1681,
81.8705

■ 35.7543, 42.8202,
81.2445

■ 44.6331, 52.0527,
82.5586

■ 32.4818, 38.9714,
80.6741

■ 50.3525, 57.4977,
83.3081

■ 29.8986, 35.5864,
80.1569

■ 56.9918, 63.5316,
84.1228

■ 27.9223, 32.6212,
79.6887

■ 64.5960, 70.1789,
85.0051

■ 26.6959, 30.5388,
79.3514

■ 73.2068, 77.4626,
85.9572

■ 82.8636, 85.4045,
86.9812

■ 87.4674, 90.8618,
87.7919

■ 89.6267, 95.1805,
88.5117

■ 91.2831, 98.4932,
89.0638

Harmonies

Analogous

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



36.3589, 47.1681, 67.7698



39.7833, 47.1681, 81.8705



44.8081, 47.1681, 87.5192

Triad

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



39.7833, 47.1681, 81.8705



56.1272, 47.1681, 51.4261



39.8213, 47.1681, 29.5134

Complementary

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



39.7833, 47.1681, 81.8705



45.8826, 38.8177, 19.8277

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.



44.8556, 47.1681, 26.8472



39.7833, 47.1681, 81.8705



54.5285, 47.1681, 37.8360

Square

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



39.7833, 47.1681, 81.8705



54.5014, 47.1681, 67.9118



50.2904, 47.1681, 29.5604



36.3795, 47.1681, 37.7399

Rectangle

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



39.7833, 47.1681, 81.8705



48.4821, 47.1681, 84.9994



50.2904, 47.1681, 29.5604



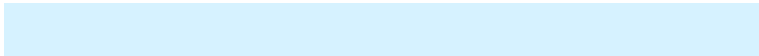
41.3696, 47.1681, 28.0212

Sweetspot

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



39.7848, 47.1699, 81.8716



77.7173, 85.3009, 106.9763



39.9169, 61.9851, 37.0564



16.2087, 17.8856, 22.8479



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.



39.7848, 47.1699, 81.8716



44.6452, 53.5046, 102.5821



29.2399, 26.0801, 78.3567



14.4128, 15.5471, 18.3856



15.2267, 17.5156, 44.9615



1.2067, 1.4573, 3.3497

Inverse Universe

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



47.8360, 31.8267, 54.0758



56.3498, 33.7582, 61.5995



57.5201, 62.0927, 23.7069



14.7960, 14.5356, 17.1260



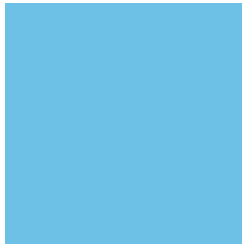
22.0793, 10.9659, 19.8442



1.6727, 0.8268, 1.6830

Previews

White Background



This preview shows how the XYZ color 39.7833, 47.1681, 81.8705 looks on a white background.

Color Contrast Check

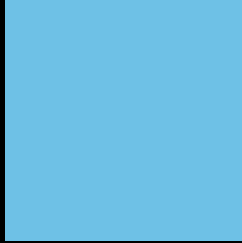
Large Text (above 18pt) WCAG AA × Fail

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 39.7833, 47.1681, 81.8705 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 39.7833, 47.1681, 81.8705

Background



This preview shows how black text looks on a background with the XYZ color 39.7833, 47.1681, 81.8705.



This preview shows how white text looks on a background with the XYZ color 39.7833, 47.1681,

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

39.7833, 47.1681, 81.8705

Protanopia

46.6060, 46.7472, 74.9733

Deuteranopia

47.6416, 46.4946, 83.5542



Tritanopia

37.3325, 47.1764, 69.4257

Trichromacy



Original Color

39.7833, 47.1681, 81.8705

Protanomaly

43.3812, 46.5638, 77.2223

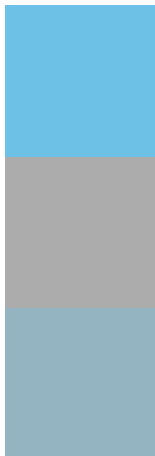
Deuteranomaly

43.8934, 46.0827, 82.9254

Tritanomaly

38.2451, 47.2089, 74.1143

Monochromacy



Original Color

39.7833, 47.1681, 81.8705

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.3413, 42.8823, 56.7084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7833, 47.1681, 81.8705 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(110, 193, 230)` looks like.

```
.text, #text, p{  
    color:rgb(110, 193, 230)  
}
```

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(110, 193, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 193, 230) }
```

Border

The CSS property to change the border of an element to XYZ 39.7833, 47.1681, 81.8705 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(110, 193, 230) }
```


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

```
.border{ border-color:rgb(110, 193, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 193, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 193, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 193, 230);  
box-shadow:4px 4px 4px 4px rgb(110, 193,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7833, 47.1681, 81.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 193, 230) }
```

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

```
.background{ background-color: rgb(110,  
193, 230) }
```

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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