

Converting Colors

XYZ(38.8797, 39.7027, 80.6813)

Have a look what the booklet for
XYZ(38.8797, 39.7027, 80.6813)
contains.

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Color

**XYZ(38.8110, 39.6969,
80.4796)**

Conversions

Conversions Part 1

Format	Color
Hex	88AAE6
RGB	136, 170, 230
RGB Percent	53%, 67%, 90%
CMY	0.4667, 0.3333, 0.0980
CMYK	0.41, 0.26, 0.00, 0.10
HSL	218°, 65%, 72%
HSV	218°, 41%, 90%
XYZ	38.8110, 39.6969, 80.4796
YIQ	166.6740, -39.5240, 11.4520

Conversions

Conversions Part 2

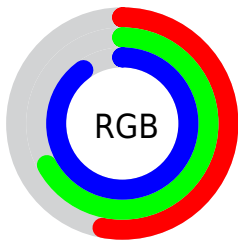
Format	Color
R _Y B	136, 161, 230
Decimal	8956646
CIE Lab	69.25, 3.47, -33.84
CIE LCh	69, 34.020, 275.861
Yxy	39.6969, 0.2441, 0.2497
Android (android.graphics.Color)	4287146726 (0xFF88AAE6)
YUV	166.6740, 31.2197, -26.9011
Hunter-Lab	63.0055, -0.3046, -31.6298

Details

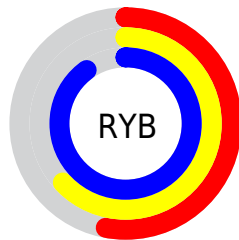
The XYZ color **38.8110, 39.6969, 80.4796** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.8180, 58.0816, 31.5103**, and the grayscale version is **36.4401, 38.3378, 41.7499**.

A 20% lighter version of the original color is **66.7134, 72.2769, 105.0424**, and **17.5118, 17.7622, 42.5499** is the 20% darker color. If you saturate the color by 10%, you get **32.8687, 32.7743, 79.4573**, and if you desaturate by 10%, it is **45.8649, 47.6504, 81.6437**.

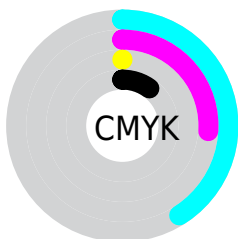
Distribution



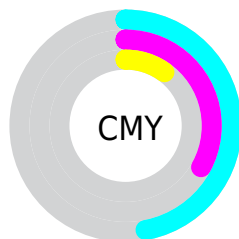
- Red (53%)
- Green (67%)
- Blue (90%)



- Red (53%)
- Yellow (63%)
- Blue (90%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (10%)



- Cyan (47%)
- Magenta (33%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8110, 39.6969, 80.4796 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 38.8110, 39.6969, 80.4796 by changing the saturation by 10% instead.

■ 38.8110, 39.6969,
80.4796

■ 38.8110, 39.6969,
80.4796

332.3073,
344.8444, 516.2970

■ 26.7928, 27.3023,
59.5846

■ 72.6454, 74.7017,
135.8573

■ 17.5534, 17.8004,
42.6608

■ 95.1923, 98.0808,
171.1771

■ 10.7276, 10.8068,
29.2896

■ 121.9796,
125.8901, 212.1422

■ 5.9499, 5.9371,
19.0526

153.3724,
158.5140, 259.1712

■ 2.8550, 2.8068,
11.5311

189.7362,
196.3371, 312.6827

■ 1.0776, 1.0317,
6.3066

231.4364,

■ 0.0062, 0.0000,

239.7435, 373.0951

2.9606

278.8383,
289.1178, 440.8270

■ 0.0000, 0.0000,
1.0746

■ 0.0000, 0.0000,
0.0000

■ 38.8110, 39.6969,
80.4796

■ 38.8110, 39.6969,
80.4796

■ 32.8687, 32.7743,
79.4573

■ 45.8649, 47.6504,
81.6437

■ 27.9720, 26.8312,
78.5683

■ 54.0829, 56.6738,
82.9523

■ 24.0538, 21.8182,
77.8072

■ 63.5192, 66.8092,
84.4113

■ 21.0369, 17.6788,
77.1672

■ 74.2231, 78.0954,
86.0256

■ 18.8301, 14.3481,
76.6406

■ 86.2410, 90.5686,
87.7997

■ 17.3910, 11.9292,
76.2496

■ 91.2831, 98.4932,
89.0636

Harmonies

Analogous

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



33.6054, 39.6969, 76.8026



38.8110, 39.6969, 80.4796



44.2087, 39.6969, 72.3937

Triad

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



38.8110, 39.6969, 80.4796



46.8767, 39.6969, 27.9176



28.9529, 39.6969, 32.0749

Complementary

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



38.8110, 39.6969, 80.4796



56.8180, 58.0816, 31.5103

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.



31.9186, 39.6969, 23.1774



38.8110, 39.6969, 80.4796



42.1805, 39.6969, 21.2129

Square

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



38.8110, 39.6969, 80.4796



49.1448, 39.6969, 40.2302



36.6707, 39.6969, 19.7144



28.2368, 39.6969, 46.3610

Rectangle

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



38.8110, 39.6969, 80.4796



47.0858, 39.6969, 62.3483



36.6707, 39.6969, 19.7144



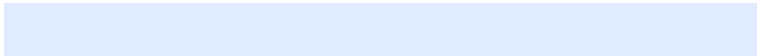
29.7048, 39.6969, 28.4734

Sweetspot

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



38.8124, 39.6984, 80.4805



78.7571, 82.8164, 106.4420



48.3621, 65.7931, 62.0981



16.5080, 17.3533, 22.7294



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.



38.8124, 39.6984, 80.4805



42.6413, 42.7251, 100.6071



35.3979, 29.6688, 78.7246



14.0074, 14.7363, 18.2504



9.9516, 6.9652, 43.2031



0.8212, 0.6863, 3.2211

Inverse Universe

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



48.6942, 37.3350, 42.6716



56.9912, 40.3433, 45.4669



61.4959, 73.1954, 34.1810



14.5913, 14.4537, 16.0484



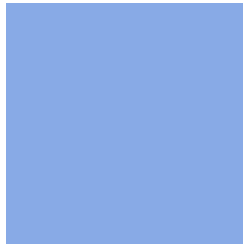
19.4166, 9.9009, 5.8228



1.4781, 0.7490, 0.6583

Previews

White Background



This preview shows how the XYZ color 38.8110, 39.6969, 80.4796 looks on a white background.

Color Contrast Check

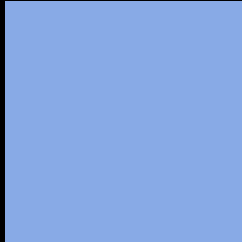
Large Text (above 18pt) WCAG AA × Fail

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 38.8110, 39.6969, 80.4796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

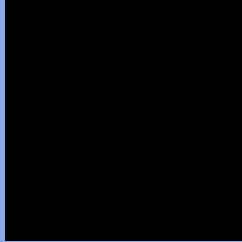
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8110, 39.6969, 80.4796

Background



This preview shows how black text looks on a background with the XYZ color 38.8110, 39.6969, 80.4796.



This preview shows how white text looks on a background with the XYZ color 38.8110, 39.6969,

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

38.8110, 39.6969, 80.4796

Protanopia

40.2638, 39.3978, 78.1554

Deuteranopia

40.4544, 39.4315, 81.0802



Tritanopia

33.7303, 39.6415, 55.1640

Trichromacy



Original Color

38.8110, 39.6969, 80.4796

Protanomaly

39.6764, 39.3499, 78.9029

Deuteranomaly

39.7441, 39.3362, 81.0992

Tritanomaly

35.3614, 39.4257, 63.5038

Monochromacy



Original Color

38.8110, 39.6969, 80.4796

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0072, 38.7909, 54.2521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8110, 39.6969, 80.4796 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(136, 170, 230)` looks like.

```
.text, #text, p{  
    color:rgb(136, 170, 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(136, 170, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 230) }
```

Border

The CSS property to change the border of an element to XYZ 38.8110, 39.6969, 80.4796 is called "border". The border property can be set on classes, ids or directly on the HTML element.

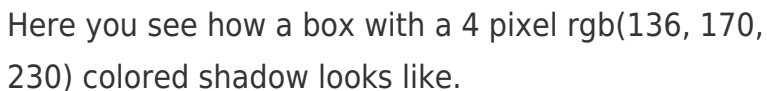
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 170, 230) }
```


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

```
.border{ border-color:rgb(136, 170, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 170, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 170, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 170, 230); box-shadow:4px 4px 4px 4px rgb(136, 170, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8110, 39.6969, 80.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 230) }
```

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

```
.background{ background-color: rgb(136,  
170, 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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