

Converting Colors

XYZ(37.9452, 39.1004, 77.9613)

Have a look what the booklet for
XYZ(37.9452, 39.1004, 77.9613)
contains.

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Color

**XYZ(37.8846, 38.9903,
78.2022)**

Conversions

Conversions Part 1

Format	Color
Hex	86A9E3
RGB	134, 169, 227
RGB Percent	53%, 66%, 89%
CMY	0.4745, 0.3372, 0.1098
CMYK	0.41, 0.26, 0.00, 0.11
HSL	217°, 62%, 71%
HSV	217°, 41%, 89%
XYZ	37.8846, 38.9903, 78.2022
YIQ	165.1470, -39.4780, 10.6180

Conversions

Conversions Part 2

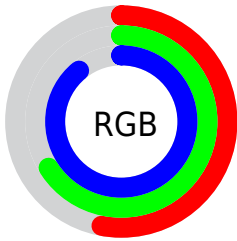
Format	Color
RYB	134, 159, 227
Decimal	8825315
CIELab	68.74, 2.69, -33.00
CIElCh	69, 33.107, 274.664
Yxy	38.9903, 0.2443, 0.2514
Android (android.graphics.Color)	4287015395 (0xFF86A9E3)
YUV	165.1470, 30.4935, -27.3159
Hunter-Lab	62.4422, -0.9753, -30.5448

Details

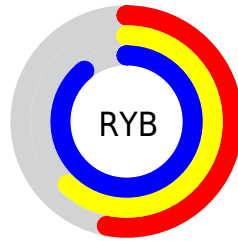
The XYZ color **37.8846, 38.9903, 78.2022** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.8323, 55.7526, 30.4271**, and the grayscale version is **35.7077, 37.5672, 40.9107**.

A 20% lighter version of the original color is **65.9409, 71.4785, 104.9290**, and **16.9364, 17.3251, 40.9795** is the 20% darker color. If you saturate the color by 10%, you get **32.1548, 32.3368, 77.2206**, and if you desaturate by 10%, it is **44.6787, 46.6175, 79.3170**.

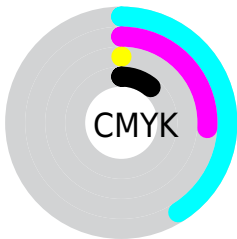
Distribution



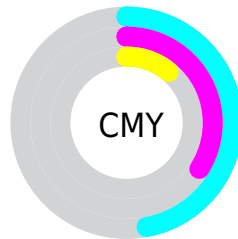
- Red (53%)
- Green (66%)
- Blue (89%)



- Red (53%)
- Yellow (62%)
- Blue (89%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8846, 38.9903, 78.2022 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 37.8846, 38.9903, 78.2022 by changing the saturation by 10% instead.

■ 37.8846, 38.9903,
78.2022

■ 37.8846, 38.9903,
78.2022

328.4141,
341.8492, 508.3994

■ 26.0699, 26.7522,
57.7227

■ 71.2363, 73.6235,
132.6236

■ 17.0089, 17.3872,
41.1725

■ 93.5040, 96.7874,
167.4025

■ 10.3362, 10.5109,
28.1332

■ 119.9868,
124.3619, 207.7850

■ 5.6864, 5.7390,
18.1862

151.0500,
156.7316, 254.1895

■ 2.6942, 2.6870,
10.9129

187.0589,
194.2808, 307.0347

■ 0.9942, 0.9706,
5.8949

228.3791,

■ 0.0000, 0.0000,

237.3939, 366.7390

2.7135

275.3757,
286.4552, 433.7211

■ 0.0000, 0.0000,
0.9502

■ 0.0000, 0.0000,
0.0000

■ 37.8846, 38.9903,
78.2022

■ 37.8846, 38.9903,
78.2022

■ 32.1548, 32.3368,
77.2206

■ 44.6787, 46.6175,
79.3170

■ 27.4262, 26.6085,
76.3642

■ 52.5876, 55.2547,
80.5673

■ 23.6346, 21.7591,
75.6280

■ 61.6629, 64.9417,
81.9588

■ 20.7057, 17.7353,
75.0057

■ 71.9518, 75.7145,
83.4959

■ 18.5522, 14.4763,
74.4902

■ 83.4990, 87.6077,
85.1829

■ 17.1477, 12.1111,
74.1077

■ 90.5297, 97.6550,
86.7516

■ 90.8653, 98.3261,
86.8635

Harmonies

Analogous

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



32.9122, 38.9903, 74.2435



37.8846, 38.9903, 78.2022



43.0910, 38.9903, 70.8889

Triad

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



37.8846, 38.9903, 78.2022



45.9804, 38.9903, 28.0643



28.6773, 38.9903, 31.2632

Complementary

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



37.8846, 38.9903, 78.2022



54.8323, 55.7526, 30.4271

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.



31.6182, 38.9903, 22.8663



37.8846, 38.9903, 78.2022



41.5405, 38.9903, 21.3477

Square

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



37.8846, 38.9903, 78.2022



48.0371, 38.9903, 40.1500



36.2457, 38.9903, 19.6973



27.8957, 38.9903, 44.8441

Rectangle

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



37.8846, 38.9903, 78.2022



45.9023, 38.9903, 61.4278



36.2457, 38.9903, 19.6973



29.4316, 38.9903, 27.8546

Sweetspot

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



37.8859, 38.9918, 78.2031



78.8859, 83.0739, 106.4849



46.7443, 63.7845, 59.3416



16.5383, 17.4137, 22.7395



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.



37.8859, 38.9918, 78.2031



43.0004, 43.4434, 100.7268



34.0422, 28.6039, 76.4006



14.0251, 14.7715, 18.2563



10.1039, 7.2699, 43.2539



0.8337, 0.7113, 3.2253

Inverse Universe

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



47.3662, 36.2471, 42.0374



57.1725, 40.4159, 46.4214



60.1364, 71.2821, 33.1450



14.6002, 14.4573, 16.0952



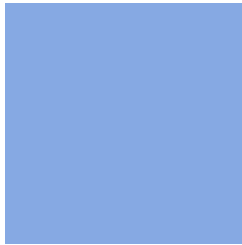
19.4935, 9.9316, 6.2277



1.4844, 0.7515, 0.6916

Previews

White Background



This preview shows how the XYZ color 37.8846, 38.9903, 78.2022 looks on a white background.

Color Contrast Check

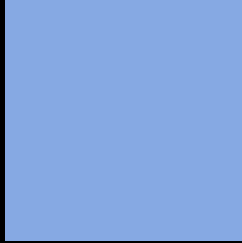
Large Text (above 18pt) WCAG AA × Fail

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 37.8846, 38.9903, 78.2022 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

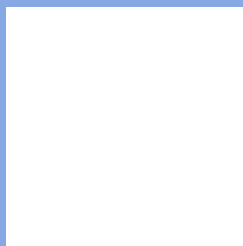
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8846, 38.9903, 78.2022

Background



This preview shows how black text looks on a background with the XYZ color 37.8846, 38.9903, 78.2022.



This preview shows how white text looks on a background with the XYZ color 37.8846, 38.9903,

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

37.8846, 38.9903, 78.2022

Protanopia

39.6722, 38.8714, 75.9330

Deuteranopia

39.8532, 38.9013, 78.8070



Tritanopia

33.1318, 39.0535, 54.5070

Trichromacy



Original Color

37.8846, 38.9903, 78.2022

Protanomaly

38.9039, 38.7284, 76.6590

Deuteranomaly

39.1414, 38.8032, 78.8256

Tritanomaly

34.6251, 38.7881, 62.1618

Monochromacy



Original Color

37.8846, 38.9903, 78.2022

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0397, 37.7733, 52.9684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8846, 38.9903, 78.2022 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(134, 169, 227)` looks like.

```
.text, #text, p{  
    color:rgb(134, 169, 227)  
}
```

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(134, 169, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 169, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.8846, 38.9903, 78.2022 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(134, 169, 227) }
```


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

```
.border{ border-color:rgb(134, 169, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 169, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 169, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 169, 227);  
box-shadow:4px 4px 4px 4px rgb(134, 169,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8846, 38.9903, 78.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 169, 227) }
```

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

```
.background{ background-color: rgb(134,  
169, 227) }
```

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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