

Converting Colors

XYZ(38.8085, 46.9707, 83.5063)

Have a look what the booklet for
XYZ(38.8085, 46.9707, 83.5063)
contains.

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Color

**XYZ(38.7870, 46.9512,
83.3621)**

Conversions

Conversions Part 1

Format	Color
Hex	61C2E8
RGB	97, 194, 232
RGB Percent	38%, 76%, 91%
CMY	0.6196, 0.2392, 0.0902
CMYK	0.58, 0.16, 0.00, 0.09
HSL	197°, 75%, 65%
HSV	197°, 58%, 91%
XYZ	38.7870, 46.9512, 83.3621
YIQ	169.3290, -70.0100, -8.7460

Conversions

Conversions Part 2

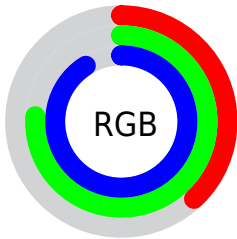
Format	Color
R _Y B	97, 153, 232
Decimal	6406888
CIE Lab	74.16, -17.75, -27.52
CIE LCh	74, 32.745, 237.182
Yxy	46.9512, 0.2294, 0.2777
Android (android.graphics.Color)	4284596968 (0xFF61C2E8)
YUV	169.3290, 30.8968, -63.4325
Hunter-Lab	68.5209, -18.8699, -24.1671

Details

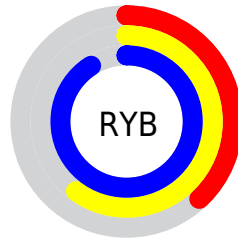
The XYZ color **38.7870, 46.9512, 83.3621** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.1016, 35.3483, 15.8093**, and the grayscale version is **37.7530, 39.7191, 43.2541**.

A 20% lighter version of the original color is **66.4518, 83.3825, 107.1998**, and **17.4640, 22.0194, 44.4040** is the 20% darker color. If you saturate the color by 10%, you get **35.2456, 43.0160, 82.7901**, and if you desaturate by 10%, it is **43.1180, 51.3902, 83.9915**.

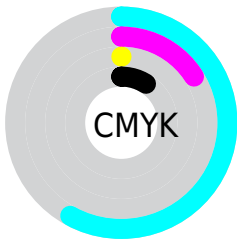
Distribution



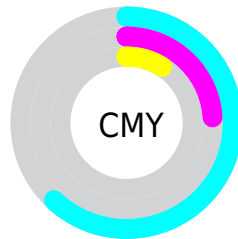
- Red (38%)
- Green (76%)
- Blue (91%)



- Red (38%)
- Yellow (60%)
- Blue (91%)



- Cyan (58%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (62%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7870, 46.9512, 83.3621 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 38.7870, 46.9512, 83.3621 by changing the saturation by 10% instead.

■ 38.7870, 46.9512,
83.3621

■ 38.7870, 46.9512,
83.3621

332.2068,
374.6197, 526.1951

■ 26.7740, 32.9971,
61.9466

■ 72.6090, 85.6408,
139.9363

■ 17.5393, 22.1242,
44.5540

■ 95.1487, 111.1450,
175.9320

■ 10.7174, 13.9482,
30.7659

■ 121.9281,
141.2681, 217.6248

■ 5.9430, 8.0846,
20.1637

■ 153.3124,
176.3944, 265.4334

■ 2.8508, 4.1492,
12.3288

189.6671,
216.9083, 319.7761

■ 1.0754, 1.7573,
6.8428

231.3575,

■ 0.0044, 0.4604,

263.1942, 381.0716

3.2870

278.7490,
315.6366, 449.7384

■ 0.0000, 0.0000,
1.2430

■ 0.0000, 0.0000,
0.0144

■ 38.7870, 46.9512,
83.3621

■ 38.7870, 46.9512,
83.3621

■ 35.2456, 43.0160,
82.7901

■ 43.1180, 51.3902,
83.9915

■ 32.4233, 39.5442,
82.2687

■ 48.2921, 56.3588,
84.6779

■ 30.2442, 36.4964,
81.7953

■ 54.3629, 61.8868,
85.4249

■ 28.5991, 33.8150,
81.3644

■ 61.3784, 68.0002,
86.2352

■ 28.3291, 33.3532,
81.2895

■ 69.3829, 74.7228,
87.1109

■ 78.4177, 82.0772,
88.0542

■ 86.8820, 89.2389,
88.9904

■ 88.8362, 93.1473,
89.6418

■ 90.8602, 97.1954,
90.3165

Harmonies

Analogous

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



35.3244, 46.9512, 67.3459



38.7870, 46.9512, 83.3621



44.0735, 46.9512, 90.6541

Triad

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



38.7870, 46.9512, 83.3621



56.8673, 46.9512, 52.7265



39.6684, 46.9512, 27.4323

Complementary

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



38.7870, 46.9512, 83.3621



44.1016, 35.3483, 15.8093

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.



45.1825, 46.9512, 25.1673



38.7870, 46.9512, 83.3621



55.4312, 46.9512, 37.7382

Square

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



38.7870, 46.9512, 83.3621



54.7929, 46.9512, 70.7059



51.0228, 46.9512, 28.4944



35.8011, 46.9512, 35.5357

Rectangle

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



38.7870, 46.9512, 83.3621



48.0417, 46.9512, 88.6145



51.0228, 46.9512, 28.4944



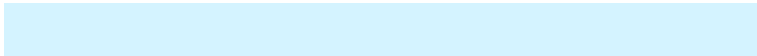
41.3756, 46.9512, 26.0521

Sweetspot

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



38.7885, 46.9529, 83.3632



77.0907, 85.1454, 106.9793



38.0213, 61.9492, 32.1455



16.0982, 17.8808, 22.8528



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.



38.7885, 46.9529, 83.3632



42.8434, 52.3232, 102.4490



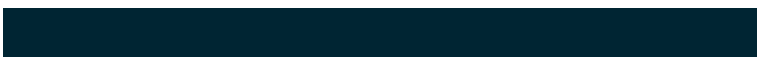
27.2813, 23.9384, 79.5275



14.4466, 15.6146, 18.3968



15.8388, 18.7398, 45.1655



1.2481, 1.5401, 3.3635

Inverse Universe

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



47.2923, 29.6017, 54.2619



54.8491, 30.8941, 60.6757



56.2078, 59.5608, 19.8447



14.8130, 14.5424, 17.2157



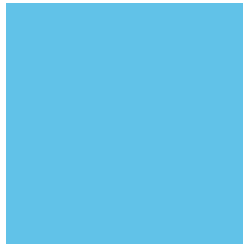
22.3882, 11.0895, 21.4711



1.6936, 0.8352, 1.7931

Previews

White Background



This preview shows how the XYZ color 38.7870, 46.9512, 83.3621 looks on a white background.

Color Contrast Check

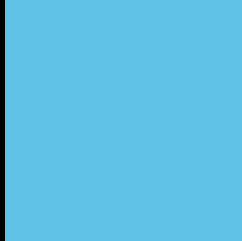
Large Text (above 18pt) WCAG AA × Fail

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 38.7870, 46.9512, 83.3621 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 38.7870, 46.9512, 83.3621

Background



This preview shows how black text looks on a background with the XYZ color 38.7870, 46.9512, 83.3621.



This preview shows how white text looks on a background with the XYZ color 38.7870, 46.9512,

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

38.7870, 46.9512, 83.3621

Protanopia

46.3182, 46.2848, 75.5999

Deuteranopia

47.6383, 46.4430, 85.8105



Tritanopia

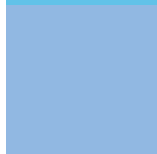
36.0963, 46.8604, 70.0933

Trichromacy



Original Color

38.7870, 46.9512, 83.3621



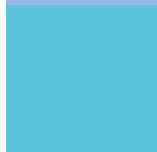
Protanomaly

42.5450, 45.7917, 78.5478



Deuteranomaly

43.4636, 46.1188, 85.2083



Tritanomaly

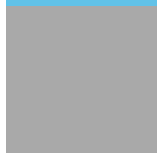
37.0718, 46.9225, 74.8132

Monochromacy



Original Color

38.7870, 46.9512, 83.3621



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.7625, 41.4862, 55.9392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7870, 46.9512, 83.3621 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(97, 194, 232)` looks like.

```
.text, #text, p{  
    color:rgb(97, 194, 232)  
}
```

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(97, 194, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 194, 232) }
```

Border

The CSS property to change the border of an element to XYZ 38.7870, 46.9512, 83.3621 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(97, 194, 232) }
```


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

```
.border{ border-color:rgb(97, 194, 232) }
```

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

Here you see how a box with a 4 pixel rgb(97, 194, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 194, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 194, 232);  
box-shadow:4px 4px 4px 4px rgb(97, 194,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7870, 46.9512, 83.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 194, 232) }
```

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

```
.background{ background-color: rgb(97, 194,  
232) }
```

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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