

Converting Colors

XYZ(48.8559, 49.9223, 86.4398)

Have a look what the booklet for
XYZ(48.8559, 49.9223, 86.4398)
contains.

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Color

**XYZ(48.8470, 49.8123,
86.3971)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BBEC
RGB	167, 187, 236
RGB Percent	65%, 73%, 93%
CMY	0.3451, 0.2667, 0.0745
CMYK	0.29, 0.21, 0.00, 0.07
HSL	223°, 64%, 79%
HSV	223°, 29%, 93%
XYZ	48.8470, 49.8123, 86.3971
YIQ	186.6060, -27.6490, 10.9990

Conversions

Conversions Part 2

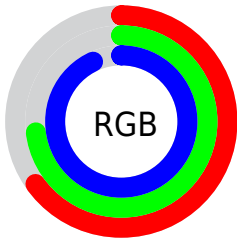
Format	Color
RYB	167, 183, 236
Decimal	10992620
CIELab	75.95, 4.15, -26.62
CIELCh	76, 26.938, 278.857
Yxy	49.8123, 0.2640, 0.2692
Android (android.graphics.Color)	4289182700 (0xFFA7BBEC)
YUV	186.6060, 24.3512, -17.1945
Hunter-Lab	70.5778, 0.0289, -23.1747

Details

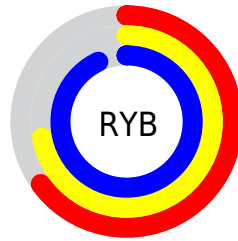
The XYZ color **48.8470, 49.8123, 86.3971** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1238, 69.7352, 46.5358**, and the grayscale version is **46.8921, 49.3341, 53.7248**.

A 20% lighter version of the original color is **80.5320, 87.0092, 107.1577**, and **23.5734, 23.8562, 46.5423** is the 20% darker color. If you saturate the color by 10%, you get **40.9587, 40.7731, 85.0690**, and if you desaturate by 10%, it is **58.0632, 60.1543, 87.9084**.

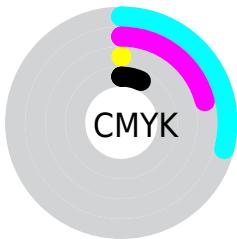
Distribution



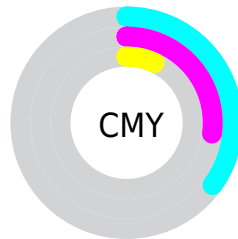
- Red (65%)
- Green (73%)
- Blue (93%)



- Red (65%)
- Yellow (72%)
- Blue (93%)



- Cyan (29%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8470, 49.8123, 86.3971 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 48.8470, 49.8123, 86.3971 by changing the saturation by 10% instead.

■ 48.8470, 49.8123,
86.3971

■ 48.8470, 49.8123,
86.3971

372.6666,
385.9315, 536.5044

■ 34.7122, 35.2643,
64.4396

■ 87.6663, 89.8967,
144.2149

■ 23.6067, 23.8665,
46.5584

■ 113.0814,
116.2019, 180.9124

■ 15.1653, 15.2346,
32.3348

142.9873,
147.1949, 223.3602

■ 9.0225, 8.9842,
21.3504

177.7494,
183.2602, 271.9770

■ 4.8131, 4.7309,
13.1867

217.7331,
224.7821, 327.1813

■ 2.1717, 2.0902,
7.4250

263.3036,

■ 0.7277, 0.6591,

272.1450, 389.3916

3.6468

314.8263,
325.7333, 459.0264

■ 0.0000, 0.0000,
1.4337

■ 0.0000, 0.0000,
0.1678

■ 48.8470, 49.8123,
86.3971

■ 48.8470, 49.8123,
86.3971

■ 40.9587, 40.7731,
85.0690

■ 58.0632, 60.1543,
87.9084

■ 34.3298, 32.9769,
83.9135

■ 68.6618, 71.8437,
89.6061

■ 28.8926, 26.3677,
82.9244

■ 80.7000, 84.9305,
91.4976

■ 24.5707, 20.8823,
82.0934

■ 91.8350, 98.2252,
93.4769

■ 21.2782, 16.4512,
81.4117

■ 92.1405, 98.8362,
93.5787

■ 18.9152, 12.9956,
80.8692

■ 17.3339, 10.4095,
80.4534

■ 17.2325, 10.2403,
80.4260

Harmonies

Analogous

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



43.9478, 49.8123, 84.3250



48.8470, 49.8123, 86.3971



53.6634, 49.8123, 78.7404

Triad

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



48.8470, 49.8123, 86.3971



55.2673, 49.8123, 38.6755



38.9002, 49.8123, 44.8636

Complementary

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



48.8470, 49.8123, 86.3971



66.1238, 69.7352, 46.5358

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.



41.5433, 49.8123, 35.4311



48.8470, 49.8123, 86.3971



50.9132, 49.8123, 32.3220

Square

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



48.8470, 49.8123, 86.3971



57.5383, 49.8123, 50.0909



45.8743, 49.8123, 31.2495



38.4330, 49.8123, 58.6061

Rectangle

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



48.8470, 49.8123, 86.3971



56.0972, 49.8123, 69.8287



45.8743, 49.8123, 31.2495



39.5542, 49.8123, 41.1585

Sweetspot

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



48.8486, 49.8143, 86.3983



82.1244, 85.9432, 106.8680



58.2373, 73.1292, 75.5393



17.1592, 17.9366, 22.8077



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.



48.8486, 49.8143, 86.3983



52.4901, 52.8331, 102.0390



47.9696, 43.4947, 85.2248



14.5869, 15.2602, 19.0990



9.5952, 5.8374, 44.3640



0.8336, 0.6187, 3.5104

Inverse Universe

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



57.3818, 49.0596, 53.4609



64.3033, 52.2306, 56.3418



67.1571, 78.3431, 48.1429



15.2450, 15.1259, 16.5757



19.6985, 10.0821, 4.2138



1.5873, 0.8079, 0.5440

Previews

White Background



This preview shows how the XYZ color 48.8470, 49.8123, 86.3971 looks on a white background.

Color Contrast Check

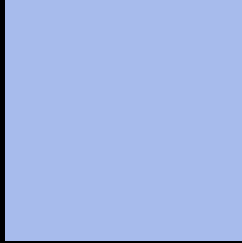
Large Text (above 18pt) WCAG AA × Fail

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 48.8470, 49.8123, 86.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

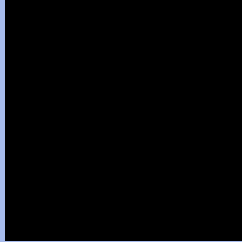
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8470, 49.8123, 86.3971

Background



This preview shows how black text looks on a background with the XYZ color 48.8470, 49.8123, 86.3971.



This preview shows how white text looks on a background with the XYZ color 48.8470, 49.8123,

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

48.8470, 49.8123, 86.3971

Protanopia

50.0236, 49.8100, 85.5750

Deuteranopia

50.8100, 49.5651, 87.0098



Tritanopia

44.8101, 49.7813, 66.2785

Trichromacy



Original Color

48.8470, 49.8123, 86.3971

Protanomaly

49.5676, 49.8866, 85.6139

Deuteranomaly

50.1057, 49.5094, 87.0362

Tritanomaly

46.1726, 49.6754, 73.4844

Monochromacy



Original Color

48.8470, 49.8123, 86.3971

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6122, 49.6517, 64.8319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8470, 49.8123, 86.3971 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(167, 187, 236)` looks like.

```
.text, #text, p{  
    color:rgb(167, 187, 236)  
}
```

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(167, 187, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 187, 236) }
```

Border

The CSS property to change the border of an element to XYZ 48.8470, 49.8123, 86.3971 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(167, 187, 236) }
```


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

```
.border{ border-color:rgb(167, 187, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 187, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 187, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 187, 236);  
box-shadow:4px 4px 4px 4px rgb(167, 187,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8470, 49.8123, 86.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 187, 236) }
```

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

```
.background{ background-color: rgb(167,  
187, 236) }
```

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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