

Converting Colors

XYZ(26.2606, 40.9843, 83.1086)

Have a look what the booklet for
XYZ(26.2606, 40.9843, 83.1086)
contains.

XYZ(34.0806, 44.8564, 83.2058)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.0806, 44.8564,
83.2058)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3E8
RGB	0, 195, 232
RGB Percent	0%, 76%, 91%
CMY	0.9998, 0.2353, 0.0902
CMYK	1.00, 0.16, 0.00, 0.09
HSL	190°, 100%, 46%
HSV	190°, 100%, 91%
XYZ	34.0806, 44.8564, 83.2058
YIQ	140.9130, -128.0970, -29.8330

Conversions

Conversions Part 2

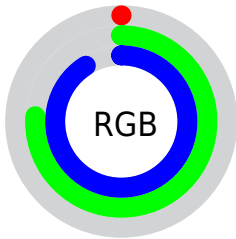
Format	Color
RYB	0, 106, 232
Decimal	50152
CIELab	72.80, -27.53, -29.75
CIELCh	73, 40.535, 227.220
Yxy	44.8564, 0.2102, 0.2766
Android (android.graphics.Color)	4278240232 (0xFF00C3E8)
YUV	140.9130, 44.9059, -123.5807
Hunter-Lab	66.9749, -26.3753, -26.7761

Details

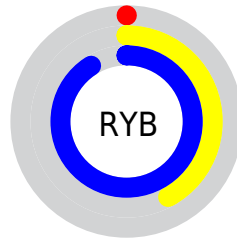
The XYZ color **34.0806, 44.8564, 83.2058** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **33.9429, 18.4831, 1.7804**, and the grayscale version is **25.1569, 26.4670, 28.8226**.

A 20% lighter version of the original color is **59.2908, 80.1558, 106.9544**, and **17.3613, 22.1843, 44.4413** is the 20% darker color. If you saturate the color by 10%, you get **34.0790, 44.8530, 83.2061**, and if you desaturate by 10%, it is **35.2803, 46.7220, 83.5036**.

Distribution



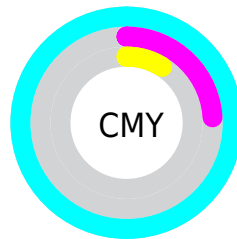
- Red (0%)
- Green (76%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0806, 44.8564, 83.2058 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 34.0806, 44.8564, 83.2058 by changing the saturation by 10% instead.


 34.0806, 44.8564,
83.2058


 34.0806, 44.8564,
83.2058


312.0709,
366.1917, 525.6611


 23.1187, 31.3443,
61.8183

 65.4024, 82.5049,
139.7155


 14.8024, 20.8612,
44.4511


 86.4931, 107.4101,
175.6748


 8.7662, 13.0226,
30.6855


 111.6907,
136.8818, 217.3284

 4.6449, 7.4441,
20.1030

 141.3607,
171.3044, 265.0950

 2.0730, 3.7414,
12.2851

 175.8683,
211.0623, 319.3930

 0.6745, 1.5300,
6.8133

215.5790,

 0.0000, 0.3097,

256.5399, 380.6410

3.2689

260.8581,
308.1215, 449.2575

■ 0.0000, 0.0000,
1.2335

■ 0.0000, 0.0000,
0.0064

■ 34.0806, 44.8564,
83.2058

■ 34.0806, 44.8564,
83.2058

■ 34.0790, 44.8530,
83.2061

■ 35.2803, 46.7220,
83.5036

■ 36.9289, 48.8489,
83.8272

■ 39.1639, 51.3091,
84.1843

■ 42.0648, 54.1437,
84.5785

■ 45.6985, 57.3875,
85.0131

■ 50.1237, 61.0708,
85.4908

■ 55.3927, 65.2210,
86.0142

■ 61.5536, 69.8629,
86.5854

■ 68.6506, 75.0195,
87.2067

Harmonies

Analogous

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



30.9609, 44.8564, 61.2493



34.0806, 44.8564, 83.2058



39.7080, 44.8564, 97.2827

Triad

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



34.0806, 44.8564, 83.2058



57.2560, 44.8564, 57.9347



38.7490, 44.8564, 20.3673

Complementary

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



34.0806, 44.8564, 83.2058



33.9429, 18.4831, 1.7804

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.



45.7018, 44.8564, 19.9361



34.0806, 44.8564, 83.2058



56.9260, 44.8564, 38.2330

Square

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



34.0806, 44.8564, 83.2058



53.3695, 44.8564, 80.2108



52.5122, 44.8564, 25.5424



33.4454, 44.8564, 26.9470

Rectangle

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



34.0806, 44.8564, 83.2058



44.3599, 44.8564, 98.3208



52.5122, 44.8564, 25.5424



40.9548, 44.8564, 19.5788

Sweetspot

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



34.0821, 44.8580, 83.2069



68.5148, 80.7238, 106.5779



29.1589, 57.8348, 11.2052



14.0463, 16.7971, 22.7518



0.0000, 0.0000, 0.0000



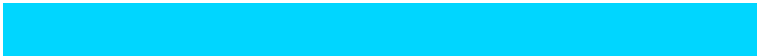
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.0821, 44.8580, 83.2069



42.1783, 55.4765, 103.0928



17.5269, 11.7475, 77.6885



14.6014, 15.9242, 18.4484



18.9966, 25.0554, 46.2181



1.4565, 1.9569, 3.4329

Inverse Universe

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



43.1304, 21.0976, 53.4302



53.4188, 26.1315, 66.0629



44.3176, 39.2324, 5.2386



14.8911, 14.5736, 17.6272



23.9821, 11.7271, 29.8646



1.7988, 0.8772, 2.3470

Previews

White Background



This preview shows how the XYZ color 34.0806, 44.8564, 83.2058 looks on a white background.

Color Contrast Check

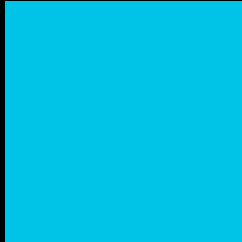
Large Text (above 18pt) WCAG AA × Fail

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 34.0806, 44.8564, 83.2058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

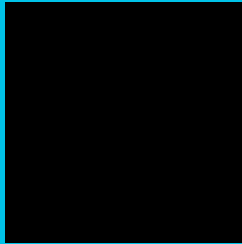
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0806, 44.8564, 83.2058

Background



This preview shows how black text looks on a background with the XYZ color 34.0806, 44.8564, 83.2058.



This preview shows how white text looks on a background with the XYZ color 34.0806, 44.8564,

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

34.0806, 44.8564, 83.2058

Protanopia

44.1166, 44.3281, 72.5607

Deuteranopia

45.5163, 44.4558, 86.3026



Tritanopia

31.9765, 44.7366, 69.9005

Trichromacy



Original Color

34.0806, 44.8564, 83.2058



Protanomaly

36.1966, 42.2589, 76.0610



Deuteranomaly

37.3169, 42.3376, 84.8024



Tritanomaly

32.6582, 44.6472, 74.6066

Monochromacy



Original Color

34.0806, 44.8564, 83.2058



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.6013, 30.7194, 44.6772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0806, 44.8564, 83.2058 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(0, 195, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 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(0, 195, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.0806, 44.8564, 83.2058 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(0, 195, 232) }
```


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

```
.border{ border-color:rgb(0, 195, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0806, 44.8564, 83.2058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 232) }
```

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

```
.background{ background-color: rgb(0, 195,  
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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