

# Converting Colors

XYZ(34.6884, 44.7751, 86.9372)

Have a look what the booklet for  
XYZ(34.6884, 44.7751, 86.9372)  
contains.

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# Color

**XYZ(34.6780, 44.7496,  
86.9306)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08C2ED
RGB	8, 194, 237
RGB Percent	3%, 76%, 93%
CMY	0.9684, 0.2392, 0.0706
CMYK	0.97, 0.18, 0.00, 0.07
HSL	191°, 93%, 48%
HSV	191°, 97%, 93%
XYZ	34.6780, 44.7496, 86.9306
YIQ	143.2880, -124.6590, -26.0590

# Conversions

## Conversions Part 2

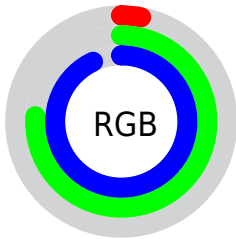
Format	Color
<a href="#">RYB</a>	8, 111, 237
Decimal	574189
CIELab	72.73, -25.16, -32.56
CIELCh	73, 41.151, 232.304
Yxy	44.7496, 0.2085, 0.2690
Android (android.graphics.Color)	4278764269 (0xFF08C2ED)
YUV	143.2880, 46.2000, -118.6476
Hunter-Lab	66.8951, -24.5333, -30.2211

# Details

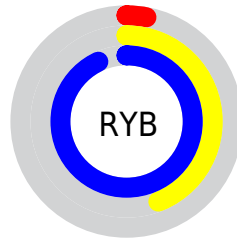
The XYZ color **34.6780, 44.7496, 86.9306** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **36.1563, 20.3958, 2.2628**, and the grayscale version is **26.0887, 27.4474, 29.8902**.

A 20% lighter version of the original color is **59.2293, 79.6591, 106.8618**, and **17.7186, 22.0924, 47.0464** is the 20% darker color. If you saturate the color by 10%, you get **34.2430, 44.0281, 86.8152**, and if you desaturate by 10%, it is **36.1726, 47.0138, 87.2897**.

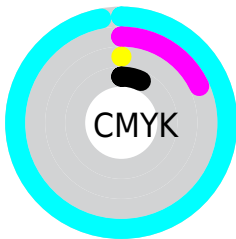
# Distribution



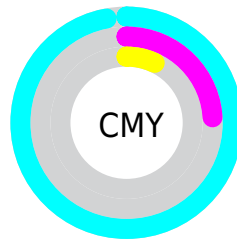
- Red (3%)
- Green (76%)
- Blue (93%)



- Red (3%)
- Yellow (44%)
- Blue (93%)



- Cyan (97%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (97%)
- Magenta (24%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6780, 44.7496, 86.9306 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 34.6780, 44.7496, 86.9306 by changing the saturation by 10% instead.



34.6780, 44.7496,  
86.9306

34.6780, 44.7496,  
86.9306

314.6777,  
365.7585, 538.3051

23.5803, 31.2602,  
64.8785

66.3240, 82.3445,  
144.9654

15.1456, 20.7971,  
46.9118

87.6029, 107.2189,  
181.7852

9.0086, 12.9758,  
32.6121

113.0063,  
136.6570, 224.3646

4.8040, 7.4119,  
21.5608

142.8995,  
171.0434, 273.1222

2.1663, 3.7210,  
13.3393

177.6479,  
210.7623, 328.4765

0.7249, 1.5187,  
7.5291

217.6169,

0.0000, 0.3019,

256.1982, 390.8460

3.7117

263.1717,  
307.7355, 460.6494

■ 0.0000, 0.0000,  
1.4686

■ 0.0000, 0.0000,  
0.1944

■ 34.6780, 44.7496,  
86.9306

■ 34.6780, 44.7496,  
86.9306

■ 34.2430, 44.0281,  
86.8152

■ 36.1726, 47.0138,  
87.2897

■ 38.2210, 49.6070,  
87.6823

■ 40.9239, 52.5825,  
88.1142

■ 44.3600, 55.9812,  
88.5891

■ 48.5967, 59.8381,  
89.1103

■ 53.6933, 64.1842,  
89.6805

■ 59.7036, 69.0475,  
90.3025

■ 66.6768, 74.4539,  
90.9785

■ 74.6584, 80.4270,  
91.7107

# Harmonies

## Analogous

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



31.0531, 44.7496, 65.2232



34.6780, 44.7496, 86.9306



40.7208, 44.7496, 99.0025

# Triad

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



34.6780, 44.7496, 86.9306



57.6417, 44.7496, 54.1825



37.5323, 44.7496, 20.6483

# Complementary

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



34.6780, 44.7496, 86.9306



36.1563, 20.3958, 2.2628

# 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.



44.3985, 44.7496, 19.2225



34.6780, 44.7496, 86.9306



56.5423, 44.7496, 35.2733

# Square

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



34.6780, 44.7496, 86.9306



54.3483, 44.7496, 76.9403



51.4931, 44.7496, 23.7639



32.5679, 44.7496, 28.4189



# Rectangle

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



34.6780, 44.7496, 86.9306



45.5265, 44.7496, 98.1244



51.4931, 44.7496, 23.7639



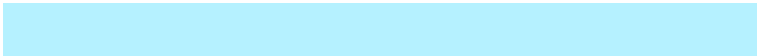
39.6739, 44.7496, 19.5193

# Sweetspot

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



34.6795, 44.7512, 86.9317



68.6058, 80.0259, 106.4384



30.9620, 60.8517, 13.1356



14.0306, 16.6006, 22.7147



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

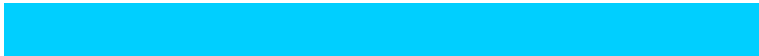


# Same Dimension

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



34.6795, 44.7512, 86.9317



40.3884, 51.8968, 102.4961



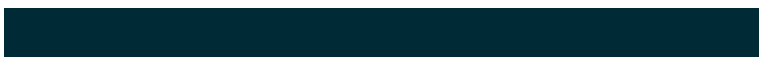
18.2972, 11.9866, 81.4710



15.2632, 16.6129, 19.3244



18.7863, 24.2197, 47.4277



1.5372, 2.0259, 3.7449



# Inverse Universe

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



44.7509, 22.0750, 52.9426



52.5154, 25.7702, 61.3054



48.3357, 44.7545, 6.3226



15.5864, 15.2624, 18.3733



24.3378, 11.9378, 28.6437

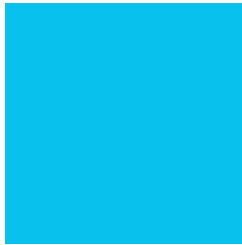


1.9424, 0.9499, 2.4141



# Previews

## White Background



This preview shows how the XYZ color 34.6780, 44.7496, 86.9306 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

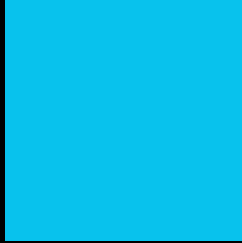
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6780, 44.7496, 86.9306 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

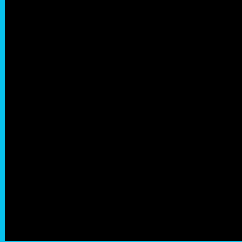
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.6780, 44.7496, 86.9306**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6780, 44.7496, 86.9306.



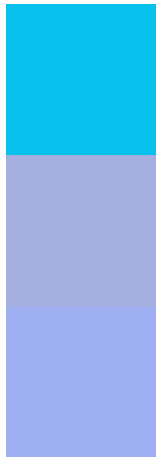
This preview shows how white text looks on a background with the XYZ color 34.6780, 44.7496,



# 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

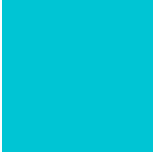
34.6780, 44.7496, 86.9306

### Protanopia

44.1663, 43.9870, 75.9746

### Deuteranopia

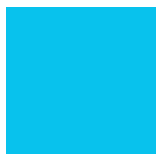
45.3077, 44.2799, 89.3780



## **Tritanopia**

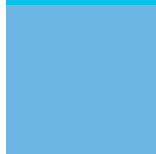
31.8499, 44.6860, 69.2339

# Trichromacy



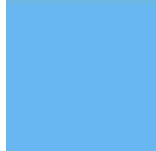
## Original Color

34.6780, 44.7496, 86.9306



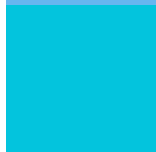
## Protanomaly

36.9159, 42.2455, 79.6073



## Deuteranomaly

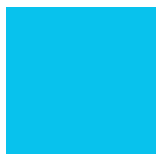
38.0496, 42.6307, 88.6612



## Tritanomaly

32.8286, 44.7197, 75.3081

# Monochromacy



## Original Color

34.6780, 44.7496, 86.9306



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

25.4722, 31.3947, 46.3122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6780, 44.7496, 86.9306 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(8, 194, 237)` looks like.

```
.text, #text, p{  
    color:rgb(8, 194, 237)  
}
```

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(8, 194, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 194, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6780, 44.7496, 86.9306 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(8, 194, 237) }
```



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

```
.border{ border-color:rgb(8, 194, 237) }
```

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

Here you see how a box with a 4 pixel rgb(8, 194, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 194, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 194, 237);  
box-shadow:4px 4px 4px 4px rgb(8, 194,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6780, 44.7496, 86.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 194, 237) }
```

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

```
.background{ background-color: rgb(8, 194,  
237) }
```

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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