

Converting Colors

XYZ(35.7788, 47.0649, 87.4344)

Have a look what the booklet for
XYZ(35.7788, 47.0649, 87.4344)
contains.

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Color

**XYZ(35.7095, 46.9613,
87.3031)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7ED
RGB	0, 199, 237
RGB Percent	0%, 78%, 93%
CMY	0.9997, 0.2196, 0.0706
CMYK	1.00, 0.16, 0.00, 0.07
HSL	190°, 100%, 46%
HSV	190°, 100%, 93%
XYZ	35.7095, 46.9613, 87.3031
YIQ	143.8310, -130.8020, -30.3700

Conversions

Conversions Part 2

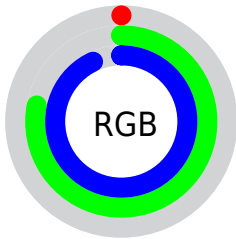
Format	Color
RYB	0, 108, 237
Decimal	51181
CIELab	74.17, -27.85, -30.35
CIELCh	74, 41.192, 227.452
Yxy	46.9613, 0.2101, 0.2763
Android (android.graphics.Color)	4278241261 (0xFF00C7ED)
YUV	143.8310, 45.9323, -126.1398
Hunter-Lab	68.5283, -26.9098, -27.5639

Details

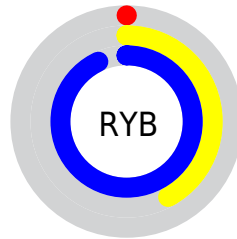
The XYZ color **35.7095, 46.9613, 87.3031** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **35.6210, 19.3952, 1.8681**, and the grayscale version is **26.3085, 27.6786, 30.1420**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.4659, 23.5870, 47.2956** is the 20% darker color. If you saturate the color by 10%, you get **35.7079, 46.9577, 87.3034**, and if you desaturate by 10%, it is **36.9669, 48.9249, 87.6168**.

Distribution



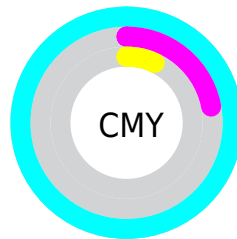
- Red (0%)
- Green (78%)
- Blue (93%)



- Red (0%)
- Yellow (42%)
- Blue (93%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7095, 46.9613, 87.3031 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 35.7095, 46.9613, 87.3031 by changing the saturation by 10% instead.

35.7095, 46.9613,
87.3031

35.7095, 46.9613,
87.3031

319.1425,
374.6600, 539.5604

24.3790, 33.0051,
65.1850

67.9103, 85.6559,
145.4891

15.7412, 22.1303,
47.1588

89.5112, 111.1630,
182.3941

9.4309, 13.9527,
32.8060

115.2664,
141.2891, 225.0652

5.0827, 8.0878,
21.7080

145.5411,
176.4188, 273.9209

2.3311, 4.1512,
13.4462

180.7007,
216.9363, 329.3797

0.8105, 1.7585,
7.6022

221.1105,

0.0000, 0.4611,

263.2261, 391.8602

3.7574

267.1360,
315.6725, 461.7809

■ 0.0000, 0.0000,
1.4932

■ 0.0000, 0.0000,
0.2129

■ 35.7095, 46.9613,
87.3031

■ 35.7095, 46.9613,
87.3031

■ 35.7079, 46.9577,
87.3034

■ 36.9669, 48.9249,
87.6168

■ 38.6972, 51.1641,
87.9578

■ 41.0437, 53.7539,
88.3340

■ 44.0904, 56.7378,
88.7494

■ 47.9077, 60.1522,
89.2072

■ 52.5575, 64.0294,
89.7105

■ 58.0951, 68.3980,
90.2619

■ 64.5709, 73.2843,
90.8637

■ 72.0317, 78.7126,
91.5183

Harmonies

Analogous

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



32.4188, 46.9613, 64.3170



35.7095, 46.9613, 87.3031



41.6222, 46.9613, 101.9550

Triad

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



35.7095, 46.9613, 87.3031



59.9715, 46.9613, 60.4821



40.5128, 46.9613, 21.3330

Complementary

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



35.7095, 46.9613, 87.3031



35.6210, 19.3952, 1.8681

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.



47.7904, 46.9613, 20.8344



35.7095, 46.9613, 87.3031



59.5897, 46.9613, 39.8860

Square

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



35.7095, 46.9613, 87.3031



55.9287, 46.9613, 83.8376



54.9368, 46.9613, 26.6534



34.9747, 46.9613, 28.2779

Rectangle

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



35.7095, 46.9613, 87.3031



46.5013, 46.9613, 102.9526



54.9368, 46.9613, 26.6534



42.8199, 46.9613, 20.4913

Sweetspot

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



35.7111, 46.9630, 87.3043



68.4953, 80.6847, 106.5714



30.5978, 60.6945, 11.7402



14.0416, 16.7877, 22.7502



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.



35.7111, 46.9630, 87.3043



42.1230, 55.3660, 103.0743



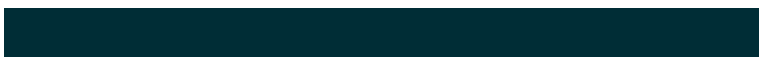
18.3797, 12.3003, 81.5272



15.3000, 16.6865, 19.3367



19.5762, 25.7993, 47.6910



1.5923, 2.1360, 3.7632

Inverse Universe

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



45.2353, 22.1298, 55.9217



53.3909, 26.1204, 65.9160



46.4935, 41.1403, 5.4923



15.6050, 15.2699, 18.4712



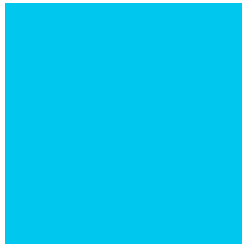
24.7364, 12.0973, 30.7431



1.9702, 0.9610, 2.5604

Previews

White Background



This preview shows how the XYZ color 35.7095, 46.9613, 87.3031 looks on a white background.

Color Contrast Check

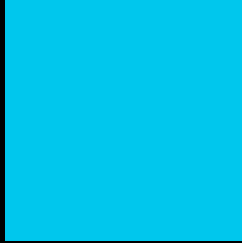
Large Text (above 18pt) WCAG AA × Fail

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 35.7095, 46.9613, 87.3031 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 35.7095, 46.9613, 87.3031

Background



This preview shows how black text looks on a background with the XYZ color 35.7095, 46.9613, 87.3031.

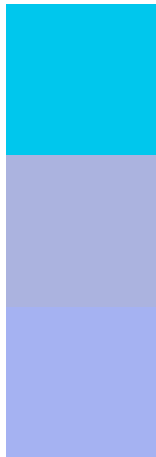


This preview shows how white text looks on a background with the XYZ color 35.7095, 46.9613,

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

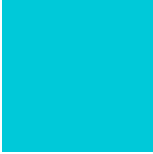
35.7095, 46.9613, 87.3031

Protanopia

46.2340, 46.2258, 76.2977

Deuteranopia

47.4645, 46.2509, 90.4301



Tritanopia

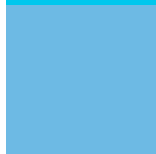
33.4110, 46.7830, 72.9147

Trichromacy



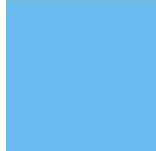
Original Color

35.7095, 46.9613, 87.3031



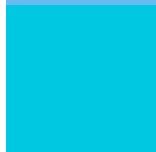
Protanomaly

37.8692, 43.9705, 79.8900



Deuteranomaly

39.1128, 44.4123, 88.9491



Tritanomaly

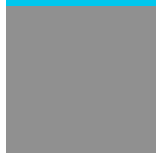
34.1088, 46.6904, 77.7354

Monochromacy



Original Color

35.7095, 46.9613, 87.3031



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.7250, 32.0406, 46.9481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7095, 46.9613, 87.3031 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, 199, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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(0, 199, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 237) }
```

Border

The CSS property to change the border of an element to XYZ 35.7095, 46.9613, 87.3031 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, 199, 237) }
```


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

```
.border{ border-color:rgb(0, 199, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7095, 46.9613, 87.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 237) }
```

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

```
.background{ background-color: rgb(0, 199,  
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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