

Converting Colors

XYZ(16.4080, 37.0283, 84.3679)

Have a look what the booklet for
XYZ(16.4080, 37.0283, 84.3679)
contains.

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Color

**XYZ(35.2747, 46.7874,
85.0136)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7EA
RGB	0, 199, 234
RGB Percent	0%, 78%, 92%
CMY	0.9998, 0.2196, 0.0823
CMYK	1.00, 0.15, 0.00, 0.08
HSL	189°, 100%, 46%
HSV	189°, 100%, 92%
XYZ	35.2747, 46.7874, 85.0136
YIQ	143.4890, -129.8390, -31.3030

Conversions

Conversions Part 2

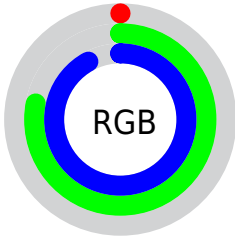
Format	Color
RYB	0, 108, 234
Decimal	51178
CIELab	74.05, -28.84, -28.90
CIELCh	74, 40.831, 225.055
Yxy	46.7874, 0.2111, 0.2800
Android (android.graphics.Color)	4278241258 (0xFF00C7EA)
YUV	143.4890, 44.6219, -125.8399
Hunter-Lab	68.4013, -27.6495, -25.8085

Details

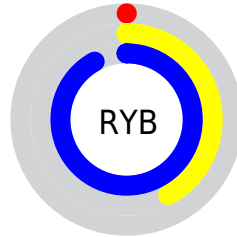
The XYZ color **35.2747, 46.7874, 85.0136** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **34.5352, 18.6983, 1.7906**, and the grayscale version is **26.1759, 27.5390, 29.9900**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.1613, 23.4652, 45.6915** is the 20% darker color. If you saturate the color by 10%, you get **35.2734, 46.7845, 85.0140**, and if you desaturate by 10%, it is **36.4543, 48.6059, 85.3034**.

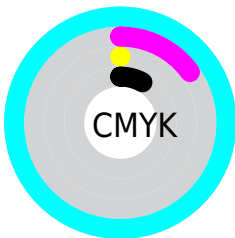
Distribution



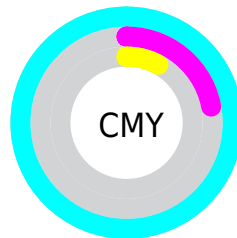
- Red (0%)
- Green (78%)
- Blue (92%)



- Red (0%)
- Yellow (42%)
- Blue (92%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2747, 46.7874, 85.0136 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 35.2747, 46.7874, 85.0136 by changing the saturation by 10% instead.


 35.2747, 46.7874,
85.0136


 35.2747, 46.7874,
85.0136


317.2660,
373.9653, 531.8188


 24.0421, 32.8676,
63.3024


 67.2423, 85.3962,
142.2665


 15.4897, 22.0251,
45.6433


 88.7080, 110.8540,
178.6453


 9.2524, 13.8753,
31.6178


 114.3155,
140.9266, 220.7504

 4.9646, 8.0340,
20.8074

 144.4300,
175.9984, 269.0003

 2.2610, 4.1167,
12.7934

 179.4169,
216.4537, 323.8135

 0.7746, 1.7391,
7.1574

219.6417,

 0.0000, 0.4488,

262.6771, 385.6087

3.4808

265.4696,
315.0528, 454.8043

■ 0.0000, 0.0000,
1.3451

■ 0.0000, 0.0000,
0.0983

■ 35.2747, 46.7874,
85.0136

■ 35.2747, 46.7874,
85.0136

■ 35.2734, 46.7845,
85.0140

■ 36.4543, 48.6059,
85.3034

■ 38.0896, 50.6862,
85.6187

■ 40.3206, 53.1015,
85.9673

■ 43.2285, 55.8937,
86.3530

■ 46.8815, 59.0983,
86.7790

■ 51.3396, 62.7463,
87.2482

■ 56.6562, 66.8655,
87.7631

■ 62.8803, 71.4812,
88.3259

■ 70.0572, 76.6171,
88.9390

Harmonies

Analogous

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



32.2481, 46.7874, 62.1123



35.2747, 46.7874, 85.0136



40.9481, 46.7874, 100.4774

Triad

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



35.2747, 46.7874, 85.0136



59.4537, 46.7874, 62.0275



40.9236, 46.7874, 21.1537

Complementary

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



35.2747, 46.7874, 85.0136



34.5352, 18.6983, 1.7906

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.



48.1883, 46.7874, 21.1427



35.2747, 46.7874, 85.0136



59.4452, 46.7874, 41.2010

Square

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



35.2747, 46.7874, 85.0136



55.1607, 46.7874, 84.9371



55.1387, 46.7874, 27.4632



35.2584, 46.7874, 27.4992

Rectangle

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



35.2747, 46.7874, 85.0136



45.7180, 46.7874, 102.3816



55.1387, 46.7874, 27.4632



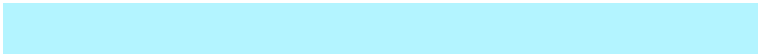
43.2450, 46.7874, 20.4802

Sweetspot

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



35.2763, 46.7891, 85.0148



68.7421, 81.1783, 106.6536



29.6746, 58.9470, 11.1277



14.1013, 16.9071, 22.7701



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.



35.2763, 46.7891, 85.0148



42.8245, 56.7689, 103.3082



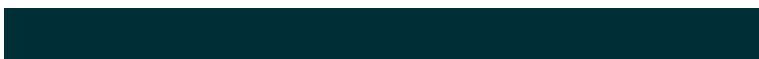
18.1671, 12.5708, 79.3117



15.3145, 16.7155, 19.3415



19.8953, 26.4376, 47.7973



1.6144, 2.1803, 3.7706

Inverse Universe

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



44.2419, 21.6176, 55.8753



53.7450, 26.2620, 67.7805



44.5573, 38.7425, 5.1314



15.6123, 15.2728, 18.5097



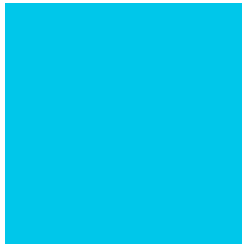
24.8975, 12.1617, 31.5914



1.9814, 0.9655, 2.6193

Previews

White Background



This preview shows how the XYZ color 35.2747, 46.7874, 85.0136 looks on a white background.

Color Contrast Check

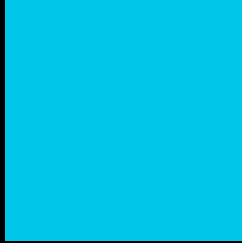
Large Text (above 18pt) WCAG AA × Fail

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 35.2747, 46.7874, 85.0136 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

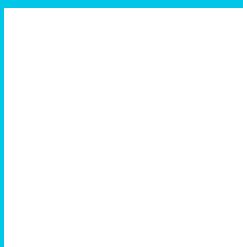
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2747, 46.7874, 85.0136

Background



This preview shows how black text looks on a background with the XYZ color 35.2747, 46.7874, 85.0136.

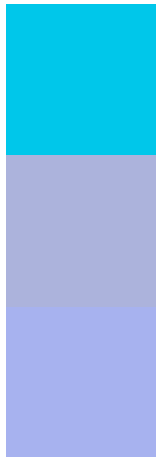


This preview shows how white text looks on a background with the XYZ color 35.2747, 46.7874,

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

35.2747, 46.7874, 85.0136

Protanopia

46.0516, 46.1782, 74.1962

Deuteranopia

47.4367, 46.2883, 88.0957



Tritanopia

33.4110, 46.7830, 72.9147

Trichromacy



Original Color

35.2747, 46.7874, 85.0136



Protanomaly

37.4562, 43.8053, 77.7153



Deuteranomaly

38.7888, 44.2964, 86.6264



Tritanomaly

33.9736, 46.6363, 77.0231

Monochromacy



Original Color

35.2747, 46.7874, 85.0136



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.6249, 32.0006, 46.4211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2747, 46.7874, 85.0136 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 234) }
```

Border

The CSS property to change the border of an element to XYZ 35.2747, 46.7874, 85.0136 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, 234) }
```


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

```
.border{ border-color:rgb(0, 199, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2747, 46.7874, 85.0136 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, 234) }
```

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

```
.background{ background-color: rgb(0, 199,  
234) }
```

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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