

Converting Colors

XYZ(35.0578, 46.2153, 85.3673)

Have a look what the booklet for
XYZ(35.0578, 46.2153, 85.3673)
contains.

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Color

**XYZ(35.1895, 46.3863,
85.6960)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6EB
RGB	0, 198, 235
RGB Percent	0%, 78%, 92%
CMY	0.9997, 0.2235, 0.0784
CMYK	1.00, 0.16, 0.00, 0.08
HSL	189°, 100%, 46%
HSV	189°, 100%, 92%
XYZ	35.1895, 46.3863, 85.6960
YIQ	143.0160, -129.8850, -30.4690

Conversions

Conversions Part 2

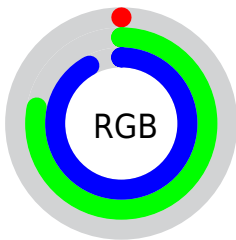
Format	Color
RYB	0, 107, 235
Decimal	50923
CIELab	73.80, -28.02, -29.84
CIElCh	74, 40.932, 226.796
Yxy	46.3863, 0.2104, 0.2773
Android (android.graphics.Color)	4278241003 (0xFF00C6EB)
YUV	143.0160, 45.3481, -125.4250
Hunter-Lab	68.1075, -26.9615, -26.9262

Details

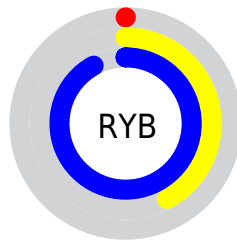
The XYZ color **35.1895, 46.3863, 85.6960** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **34.9253, 18.9898, 1.8266**, and the grayscale version is **25.9853, 27.3385, 29.7716**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.1099, 23.2012, 46.1716** is the 20% darker color. If you saturate the color by 10%, you get **35.1878, 46.3826, 85.6963**, and if you desaturate by 10%, it is **36.4130, 48.2891, 85.9997**.

Distribution



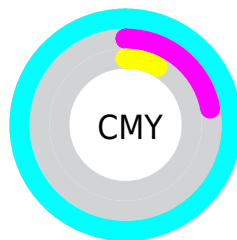
- Red (0%)
- Green (78%)
- Blue (92%)



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



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1895, 46.3863, 85.6960 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 35.1895, 46.3863, 85.6960 by changing the saturation by 10% instead.


 35.1895, 46.3863,
85.6960


 35.1895, 46.3863,
85.6960


316.8974,
372.3595, 534.1328


 23.9761, 32.5508,
63.8632


 67.1113, 84.7968,
143.2280


 15.4405, 21.7825,
46.0944

 88.5504, 110.1406,
179.7642

 9.2175, 13.6972,
31.9711

 114.1288,
140.0893, 222.0386

 4.9415, 7.9104,
21.0748

 144.2118,
175.0272, 270.4698

 2.2474, 4.0376,
12.9869

 179.1649,
215.3388, 325.4763

 0.7675, 1.6946,
7.2889

219.3532,

 0.0000, 0.4202,

261.4085, 387.4766

3.5623

265.1423,
313.6206, 456.8892

■ 0.0000, 0.0000,
1.3884

■ 0.0000, 0.0000,
0.1327

■ 35.1895, 46.3863,
85.6960

■ 35.1895, 46.3863,
85.6960

■ 35.1878, 46.3826,
85.6963

■ 36.4130, 48.2891,
85.9997

■ 38.0991, 50.4605,
86.3300

■ 40.3888, 52.9741,
86.6945

■ 43.3642, 55.8725,
87.0971

■ 47.0942, 59.1916,
87.5411

■ 51.6395, 62.9626,
88.0295

■ 57.0542, 67.2137,
88.5646

■ 63.3877, 71.9707,
89.1490

■ 70.6857, 77.2572,
89.7847

Harmonies

Analogous

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



32.0079, 46.3863, 62.9897



35.1895, 46.3863, 85.6960



40.9704, 46.3863, 100.4070

Triad

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



35.1895, 46.3863, 85.6960



59.1568, 46.3863, 60.2206



40.1690, 46.3863, 21.0441

Complementary

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



35.1895, 46.3863, 85.6960



34.9253, 18.9898, 1.8266

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.



47.3615, 46.3863, 20.6835



35.1895, 46.3863, 85.6960



58.8811, 46.3863, 39.7927

Square

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



35.1895, 46.3863, 85.6960



55.0909, 46.3863, 83.1944



54.3746, 46.3863, 26.5723



34.6586, 46.3863, 27.7466

Rectangle

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



35.1895, 46.3863, 85.6960



45.7649, 46.3863, 101.6413



54.3746, 46.3863, 26.5723



42.4541, 46.3863, 20.2577

Sweetspot

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



35.1910, 46.3879, 85.6972



68.5614, 80.8169, 106.5934



30.0175, 59.5409, 11.5246



14.0576, 16.8197, 22.7556



0.0000, 0.0000, 0.0000



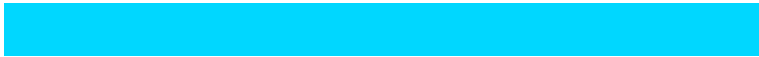
20.3446, 21.4041, 23.3091

Same Dimension

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



35.1910, 46.3879, 85.6972



42.3100, 55.7400, 103.1367



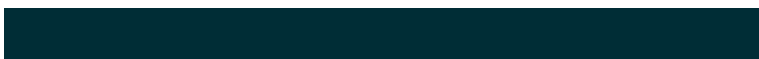
18.0359, 12.0777, 79.9788



15.3039, 16.6943, 19.3380



19.6612, 25.9695, 47.7193



1.5982, 2.1478, 3.7652

Inverse Universe

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



44.4554, 21.7412, 55.2809



53.4853, 26.1581, 66.4130



45.6160, 40.3712, 5.3901



15.6070, 15.2706, 18.4815



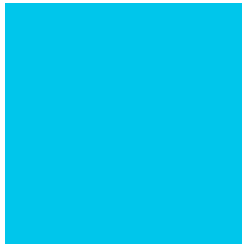
24.7794, 12.1144, 30.9693



1.9732, 0.9622, 2.5761

Previews

White Background



This preview shows how the XYZ color 35.1895, 46.3863, 85.6960 looks on a white background.

Color Contrast Check

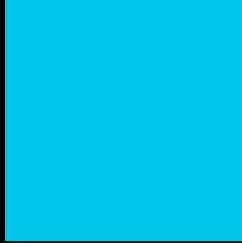
Large Text (above 18pt) WCAG AA × Fail

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 35.1895, 46.3863, 85.6960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

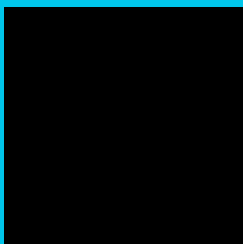
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

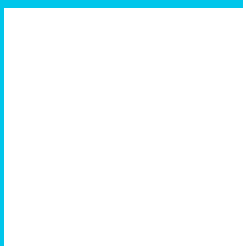
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1895, 46.3863, 85.6960

Background



This preview shows how black text looks on a background with the XYZ color 35.1895, 46.3863, 85.6960.

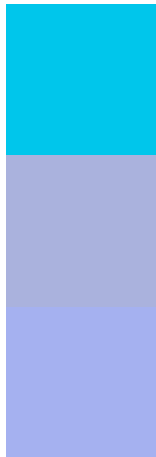


This preview shows how white text looks on a background with the XYZ color 35.1895, 46.3863,

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

35.1895, 46.3863, 85.6960

Protanopia

45.5491, 45.6073, 74.8090

Deuteranopia

46.9674, 45.7349, 88.7903



Tritanopia

33.0489, 46.2664, 72.1542

Trichromacy



Original Color

35.1895, 46.3863, 85.6960



Protanomaly

37.2608, 43.3771, 78.3603



Deuteranomaly

38.6073, 43.8742, 87.3227



Tritanomaly

33.7427, 46.1746, 76.9462

Monochromacy



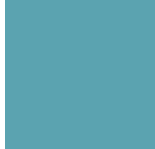
Original Color

35.1895, 46.3863, 85.6960



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.2480, 31.5531, 45.8339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1895, 46.3863, 85.6960 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, 198, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 235)  
}
```

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, 198, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 235) }
```

Border

The CSS property to change the border of an element to XYZ 35.1895, 46.3863, 85.6960 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, 198, 235) }
```


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

```
.border{ border-color:rgb(0, 198, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1895, 46.3863, 85.6960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 235) }
```

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

```
.background{ background-color: rgb(0, 198,  
235) }
```

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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