

Converting Colors

XYZ(27.8900, 44.1109, 81.2416)

Have a look what the booklet for
XYZ(27.8900, 44.1109, 81.2416)
contains.

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Color

**XYZ(35.2634, 47.8982,
81.5154)**

Conversions

Conversions Part 1

Format	Color
Hex	00CAE5
RGB	0, 202, 229
RGB Percent	0%, 79%, 90%
CMY	0.9998, 0.2078, 0.1020
CMYK	1.00, 0.12, 0.00, 0.10
HSL	187°, 100%, 45%
HSV	187°, 100%, 90%
XYZ	35.2634, 47.8982, 81.5154
YIQ	144.6800, -129.0590, -34.4270

Conversions

Conversions Part 2

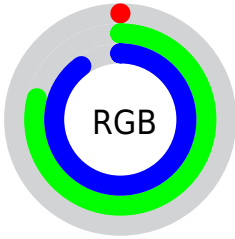
Format	Color
RYB	0, 107, 229
Decimal	51941
CIELab	74.76, -31.93, -25.12
CIELCh	75, 40.627, 218.191
Yxy	47.8982, 0.2141, 0.2909
Android (android.graphics.Color)	4278242021 (0xFF00CAE5)
YUV	144.6800, 41.5698, -126.8844
Hunter-Lab	69.2085, -30.1649, -21.3872

Details

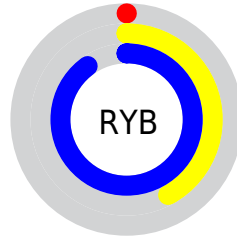
The XYZ color **35.2634, 47.8982, 81.5154** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **32.7071, 17.4450, 1.6451**, and the grayscale version is **26.6663, 28.0550, 30.5519**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **17.9765, 23.8846, 43.1979** is the 20% darker color. If you saturate the color by 10%, you get **35.2625, 47.8961, 81.5160**, and if you desaturate by 10%, it is **36.2559, 49.3597, 81.7461**.

Distribution



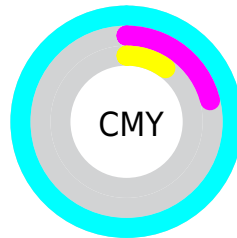
- Red (0%)
- Green (79%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2634, 47.8982, 81.5154 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 35.2634, 47.8982, 81.5154 by changing the saturation by 10% instead.


 35.2634, 47.8982,
81.5154


 35.2634, 47.8982,
81.5154


317.2171,
378.3885, 519.8661


 24.0333, 33.7463,
60.4327


 67.2250, 87.0528,
137.3248


 15.4832, 22.6988,
43.3399


 88.6871, 112.8243,
172.8886


 9.2477, 14.3712,
29.8185


 114.2907,
143.2378, 214.1164

 4.9615, 8.3793,
19.4500

 144.4010,
178.6776, 261.4269

 2.2592, 4.3386,
11.8158

 179.3835,
219.5282, 315.2386

 0.7737, 1.8647,
6.4974

219.6034,

 0.0000, 0.5270,

266.1739, 375.9700

3.0762

265.4262,
318.9992, 444.0397

■ 0.0000, 0.0000,
1.1337

■ 0.0000, 0.0000,
0.0000

■ 35.2634, 47.8982,
81.5154

■ 35.2634, 47.8982,
81.5154

■ 35.2625, 47.8961,
81.5160

■ 36.2559, 49.3597,
81.7461

■ 37.6743, 51.0564,
81.9989

■ 39.6528, 53.0585,
82.2810

■ 42.2682, 55.4056,
82.5962

■ 45.5853, 58.1312,
82.9475

■ 49.6605, 61.2646,
83.3375

■ 54.5447, 64.8319,
83.7686

■ 60.2843, 68.8573,
84.2431

■ 66.9221, 73.3627,
84.7629

Harmonies

Analogous

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



32.8806, 47.8982, 58.1573



35.2634, 47.8982, 81.5154



40.4572, 47.8982, 99.6870

Triad

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



35.2634, 47.8982, 81.5154



60.0046, 47.8982, 68.7462



43.5347, 47.8982, 21.3939

Complementary

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



35.2634, 47.8982, 81.5154



32.7071, 17.4450, 1.6451

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.



51.0010, 47.8982, 22.7999



35.2634, 47.8982, 81.5154



61.0571, 47.8982, 46.5769

Square

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



35.2634, 47.8982, 81.5154



54.8704, 47.8982, 91.0362



57.6079, 47.8982, 30.8537



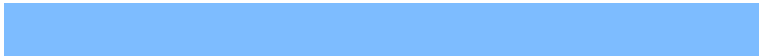
37.3073, 47.8982, 26.2987

Rectangle

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



35.2634, 47.8982, 81.5154



45.0796, 47.8982, 104.2000



57.6079, 47.8982, 30.8537



45.9749, 47.8982, 21.1770

Sweetspot

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



35.2650, 47.8999, 81.5166



69.4743, 82.6426, 106.8977



28.2156, 56.1178, 10.3678



14.2787, 17.2618, 22.8292



0.0000, 0.0000, 0.0000



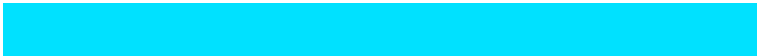
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2650, 47.8999, 81.5166



44.9558, 61.0316, 104.0186



17.6189, 12.6079, 75.6346



14.6547, 16.0309, 18.4662



20.2194, 27.5009, 46.6257



1.5354, 2.1147, 3.4592

Inverse Universe

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



42.9751, 20.9240, 57.6524



54.8208, 26.6923, 73.4455



41.8743, 35.7793, 4.7009



14.9181, 14.5844, 17.7690



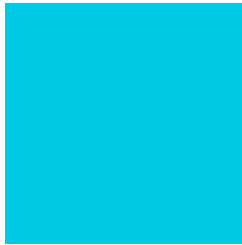
24.5993, 11.9739, 33.1146



1.8386, 0.8932, 2.5567

Previews

White Background



This preview shows how the XYZ color 35.2634, 47.8982, 81.5154 looks on a white background.

Color Contrast Check

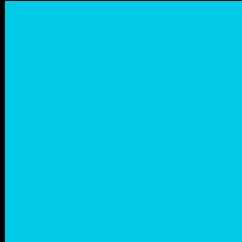
Large Text (above 18pt) WCAG AA × Fail

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 35.2634, 47.8982, 81.5154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

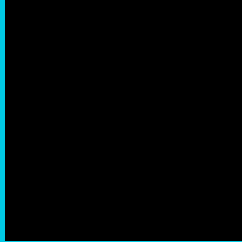
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2634, 47.8982, 81.5154

Background



This preview shows how black text looks on a background with the XYZ color 35.2634, 47.8982, 81.5154.

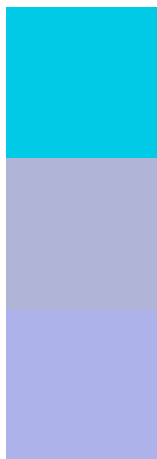


This preview shows how white text looks on a background with the XYZ color 35.2634, 47.8982,

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

35.2634, 47.8982, 81.5154

Protanopia

46.6941, 47.1841, 70.9364

Deuteranopia

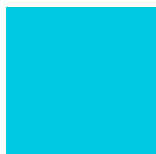
48.2050, 47.0649, 84.3857



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



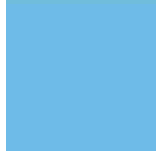
Original Color

35.2634, 47.8982, 81.5154



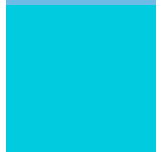
Protanomaly

37.7980, 45.0072, 74.4052



Deuteranomaly

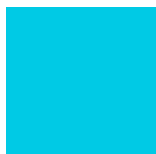
38.7662, 44.6818, 82.9252



Tritanomaly

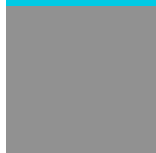
34.6752, 48.0396, 77.2570

Monochromacy



Original Color

35.2634, 47.8982, 81.5154



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.8863, 32.6823, 46.0183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2634, 47.8982, 81.5154 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, 202, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 229)  
}
```

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, 202, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 229) }
```

Border

The CSS property to change the border of an element to XYZ 35.2634, 47.8982, 81.5154 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, 202, 229) }
```


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

```
.border{ border-color:rgb(0, 202, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2634, 47.8982, 81.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 229) }
```

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

```
.background{ background-color: rgb(0, 202,  
229) }
```

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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