

Converting Colors

XYZ(35.8884, 47.7524, 83.6706)

Have a look what the booklet for
XYZ(35.8884, 47.7524, 83.6706)
contains.

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Color

**XYZ(35.9310, 47.8464,
83.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	1CC9E8
RGB	28, 201, 232
RGB Percent	11%, 79%, 91%
CMY	0.8901, 0.2118, 0.0902
CMYK	0.88, 0.13, 0.00, 0.09
HSL	189°, 82%, 51%
HSV	189°, 88%, 91%
XYZ	35.9310, 47.8464, 83.6854
YIQ	152.8070, -113.0590, -27.0350

Conversions

Conversions Part 2

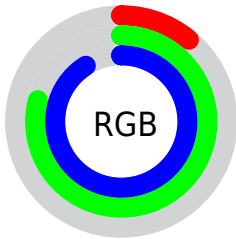
Format	Color
RYB	28, 122, 232
Decimal	1886696
CIELab	74.73, -29.54, -26.77
CIELCh	75, 39.865, 222.190
Yxy	47.8464, 0.2146, 0.2857
Android (android.graphics.Color)	4280076776 (0xFF1CC9E8)
YUV	152.8070, 39.0421, -109.4557
Hunter-Lab	69.1711, -28.3274, -23.3112

Details

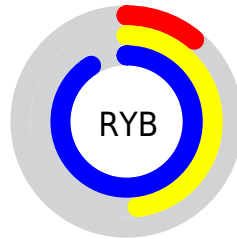
The XYZ color **35.9310, 47.8464, 83.6854** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.0542, 20.3704, 3.1846**, and the grayscale version is **30.0693, 31.6353, 34.4508**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **18.2702, 24.0020, 44.7442** is the 20% darker color. If you saturate the color by 10%, you get **34.7008, 46.0069, 83.3961**, and if you desaturate by 10%, it is **37.6611, 49.9734, 84.0057**.

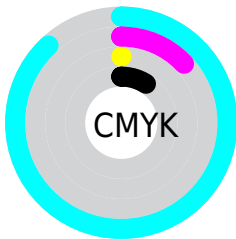
Distribution



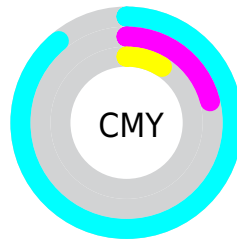
- Red (11%)
- Green (79%)
- Blue (91%)



- Red (11%)
- Yellow (48%)
- Blue (91%)



- Cyan (88%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)





- Cyan (89%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9310, 47.8464, 83.6854 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 35.9310, 47.8464, 83.6854 by changing the saturation by 10% instead.


 35.9310, 47.8464,
83.6854


 35.9310, 47.8464,
83.6854


320.0954,
378.1830, 527.2987


 24.5508, 33.7053,
62.2118


 68.2501, 86.9757,
140.3928


 15.8696, 22.6673,
44.7670


 89.9197, 112.7326,
176.4638


 9.5222, 14.3480,
30.9323

 115.7498,
143.1302, 218.2376

 5.1432, 8.3631,
20.2893

 146.1058,
178.5530, 266.1328

 2.3671, 4.3282,
12.4193

 181.3530,
219.3852, 320.5680

 0.8287, 1.8588,
6.9040

221.8567,

 0.0000, 0.5234,

266.0114, 381.9617

3.3246

267.9824,
318.8158, 450.7324

■ 0.0000, 0.0000,
1.2627

■ 0.0000, 0.0000,
0.0309

■ 35.9310, 47.8464,
83.6854

■ 35.9310, 47.8464,
83.6854

■ 34.7008, 46.0069,
83.3961

■ 37.6611, 49.9734,
84.0057

■ 34.4737, 45.6424,
83.3377

■ 39.9918, 52.4373,
84.3584

■ 43.0011, 55.2795,
84.7484

■ 46.7540, 58.5335,
85.1787

■ 51.3075, 62.2290,
85.6520

■ 56.7131, 66.3927,
86.1708

■ 63.0180, 71.0490,
86.7372

■ 70.2657, 76.2207,
87.3535

■ 78.4969, 81.9288,
88.0214

Harmonies

Analogous

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



33.1923, 47.8464, 60.9677



35.9310, 47.8464, 83.6854



41.3541, 47.8464, 99.9625

Triad

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



35.9310, 47.8464, 83.6854



60.0441, 47.8464, 65.2530



42.6027, 47.8464, 22.0576

Complementary

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



35.9310, 47.8464, 83.6854



35.0542, 20.3704, 3.1846

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.



49.8642, 47.8464, 22.6324



35.9310, 47.8464, 83.6854



60.4698, 47.8464, 44.1307

Square

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



35.9310, 47.8464, 83.6854



55.4707, 47.8464, 87.5300



56.5786, 47.8464, 29.6642



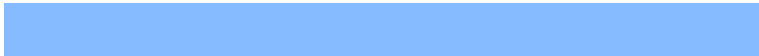
36.7613, 47.8464, 27.8075

Rectangle

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



35.9310, 47.8464, 83.6854



46.0102, 47.8464, 102.8931



56.5786, 47.8464, 29.6642



44.9471, 47.8464, 21.5712

Sweetspot

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



35.9326, 47.8481, 83.6866



71.5914, 83.2595, 106.9052



30.1162, 58.2730, 13.7471



14.7831, 17.4138, 22.8320



0.0000, 0.0000, 0.0000



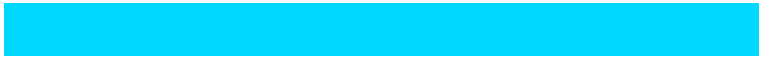
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9326, 47.8481, 83.6866



42.6693, 56.4585, 103.2564



19.5468, 15.0765, 78.2246



14.6111, 15.9435, 18.4517



19.2129, 25.4880, 46.2902



1.4705, 1.9850, 3.4376

Inverse Universe

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



44.2379, 22.2049, 57.2145



53.6667, 26.2307, 67.3679



46.1658, 42.5936, 6.8884



14.8960, 14.5756, 17.6529



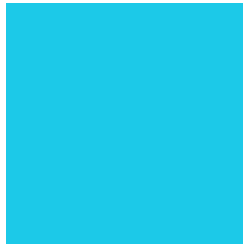
24.0913, 11.7707, 30.4395



1.8059, 0.8801, 2.3843

Previews

White Background



This preview shows how the XYZ color 35.9310, 47.8464, 83.6854 looks on a white background.

Color Contrast Check

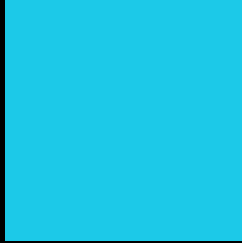
Large Text (above 18pt) WCAG AA × Fail

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 35.9310, 47.8464, 83.6854 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

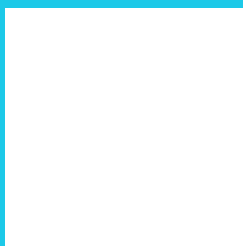
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9310, 47.8464, 83.6854

Background



This preview shows how black text looks on a background with the XYZ color 35.9310, 47.8464, 83.6854.

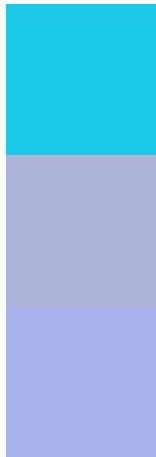


This preview shows how white text looks on a background with the XYZ color 35.9310, 47.8464,

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

35.9310, 47.8464, 83.6854

Protanopia

46.8580, 47.2237, 72.9751

Deuteranopia

48.2007, 47.0126, 86.6546



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



Original Color

35.9310, 47.8464, 83.6854



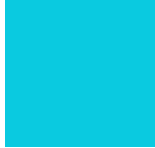
Protanomaly

39.3285, 45.4317, 76.5084



Deuteranomaly

40.3735, 45.4607, 85.2442



Tritanomaly

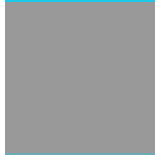
34.7003, 47.6874, 77.8967

Monochromacy



Original Color

35.9310, 47.8464, 83.6854



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.0026, 35.3150, 49.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9310, 47.8464, 83.6854 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(28, 201, 232)` looks like.

```
.text, #text, p{  
    color:rgb(28, 201, 232)  
}
```

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(28, 201, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 201, 232) }
```

Border

The CSS property to change the border of an element to XYZ 35.9310, 47.8464, 83.6854 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(28, 201, 232) }
```


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

```
.border{ border-color:rgb(28, 201, 232) }
```

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

Here you see how a box with a 4 pixel rgb(28, 201, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 201, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 201, 232);  
box-shadow:4px 4px 4px 4px rgb(28, 201,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9310, 47.8464, 83.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 201, 232) }
```

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

```
.background{ background-color: rgb(28, 201,  
232) }
```

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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