

Converting Colors

XYZ(36.1882, 49.2964, 83.2157)

Have a look what the booklet for
XYZ(36.1882, 49.2964, 83.2157)
contains.

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Color

**XYZ(36.2551, 49.4322,
83.2318)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDE7
RGB	0, 205, 231
RGB Percent	0%, 80%, 91%
CMY	0.9998, 0.1961, 0.0941
CMYK	1.00, 0.11, 0.00, 0.09
HSL	187°, 100%, 45%
HSV	187°, 100%, 91%
XYZ	36.2551, 49.4322, 83.2318
YIQ	146.6690, -130.5260, -35.3740

Conversions

Conversions Part 2

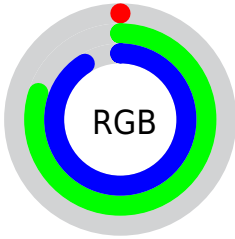
Format	Color
RYB	0, 109, 231
Decimal	52711
CIELab	75.72, -32.73, -24.73
CIELCh	76, 41.021, 217.079
Yxy	49.4322, 0.2146, 0.2926
Android (android.graphics.Color)	4278242791 (0xFF00CDE7)
YUV	146.6690, 41.5752, -128.6287
Hunter-Lab	70.3080, -30.9936, -20.9728

Details

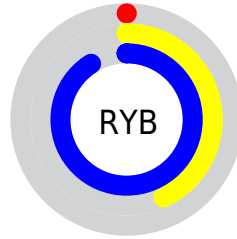
The XYZ color **36.2551, 49.4322, 83.2318** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **33.3263, 17.7305, 1.6675**, and the grayscale version is **27.4768, 28.9077, 31.4805**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.6442, 24.9078, 44.3825** is the 20% darker color. If you saturate the color by 10%, you get **36.2545, 49.4305, 83.2325**, and if you desaturate by 10%, it is **37.2402, 50.8722, 83.4588**.

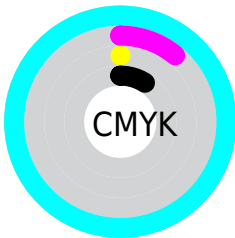
Distribution



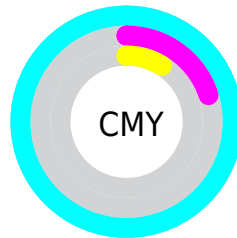
- Red (0%)
- Green (80%)
- Blue (91%)



- Red (0%)
- Yellow (43%)
- Blue (91%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2551, 49.4322, 83.2318 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 36.2551, 49.4322, 83.2318 by changing the saturation by 10% instead.

36.2551, 49.4322,
83.2318

36.2551, 49.4322,
83.2318

321.4860,
384.4413, 525.7499

24.8023, 34.9625,
61.8397

68.7469, 89.3330,
139.7522

16.0578, 23.6340,
44.4682

90.5167, 115.5329,
175.7176

9.6561, 15.0623,
30.6989

116.4561,
146.4116, 217.3777

5.2321, 8.8631,
20.1131

146.9306,
182.3535, 265.1513

2.4202, 4.6520,
12.2924

182.3054,
223.7431, 319.4567

0.8552, 2.0446,
6.8182

222.9460,

0.0000, 0.6332,

270.9646, 380.7126

3.2719

269.2178,
324.4026, 449.3375

■ 0.0000, 0.0000,
1.2351

■ 0.0000, 0.0000,
0.0077

■ 36.2551, 49.4322,
83.2318

■ 36.2551, 49.4322,
83.2318

■ 36.2545, 49.4305,
83.2325

■ 37.2402, 50.8722,
83.4588

■ 38.6593, 52.5503,
83.7079

■ 40.6487, 54.5380,
83.9867

■ 43.2871, 56.8758,
84.2989

■ 46.6405, 59.5979,
84.6476

■ 50.7668, 62.7341,
85.0354

■ 55.7179, 66.3112,
85.4649

■ 61.5411, 70.3538,
85.9383

■ 68.2801, 74.8845,
86.4576

Harmonies

Analogous

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



33.9134, 49.4322, 59.1519



36.2551, 49.4322, 83.2318



41.5150, 49.4322, 102.3522

Triad

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



36.2551, 49.4322, 83.2318



61.7824, 49.4322, 71.8394



45.2044, 49.4322, 22.0393

Complementary

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



36.2551, 49.4322, 83.2318



33.3263, 17.7305, 1.6675

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.



52.9130, 49.4322, 23.7282



36.2551, 49.4322, 83.2318



63.0431, 49.4322, 48.8247

Square

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



36.2551, 49.4322, 83.2318



56.3646, 49.4322, 94.6319



59.6443, 49.4322, 32.3137



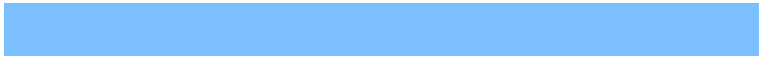
38.7063, 49.4322, 26.8456

Rectangle

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



36.2551, 49.4322, 83.2318



46.2425, 49.4322, 107.4264



59.6443, 49.4322, 32.3137



47.7330, 49.4322, 21.8935

Sweetspot

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



36.2567, 49.4340, 83.2330



69.5990, 82.8921, 106.9393



28.7332, 57.2154, 10.3479



14.3089, 17.3223, 22.8393



0.0000, 0.0000, 0.0000



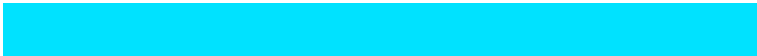
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2567, 49.4340, 83.2330



45.3263, 61.7725, 104.1421



18.2896, 13.4998, 77.2440



14.6616, 16.0447, 18.4685



20.3823, 27.8268, 46.6800



1.5458, 2.1356, 3.4627

Inverse Universe

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



43.9758, 21.3983, 59.5719



55.0078, 26.7671, 74.4302



42.1339, 35.3456, 4.6033



14.9216, 14.5858, 17.7873



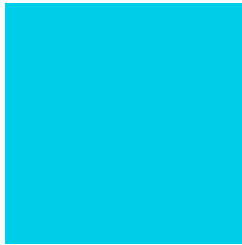
24.6816, 12.0068, 33.5477



1.8439, 0.8953, 2.5844

Previews

White Background



This preview shows how the XYZ color 36.2551, 49.4322, 83.2318 looks on a white background.

Color Contrast Check

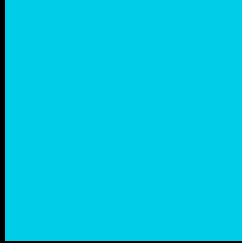
Large Text (above 18pt) WCAG AA × Fail

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 36.2551, 49.4322, 83.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

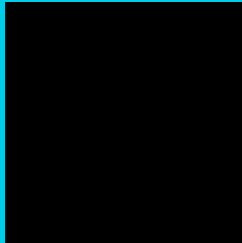
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2551, 49.4322, 83.2318

Background



This preview shows how black text looks on a background with the XYZ color 36.2551, 49.4322, 83.2318.



This preview shows how white text looks on a background with the XYZ color 36.2551, 49.4322,

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

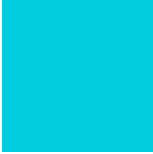
36.2551, 49.4322, 83.2318

Protanopia

48.1256, 48.8226, 71.8530

Deuteranopia

49.7728, 48.7421, 86.1417



Tritanopia

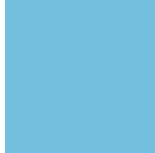
35.3906, 49.4703, 77.4955

Trichromacy



Original Color

36.2551, 49.4322, 83.2318



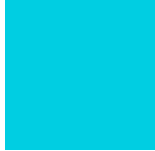
Protanomaly

38.8402, 46.4971, 75.3344



Deuteranomaly

39.9468, 46.2122, 84.6563



Tritanomaly

35.7988, 49.6336, 79.6450

Monochromacy



Original Color

36.2551, 49.4322, 83.2318



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.6546, 33.5993, 47.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2551, 49.4322, 83.2318 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, 205, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 231)  
}
```

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, 205, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 231) }
```

Border

The CSS property to change the border of an element to XYZ 36.2551, 49.4322, 83.2318 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, 205, 231) }
```


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

```
.border{ border-color:rgb(0, 205, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2551, 49.4322, 83.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 231) }
```

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

```
.background{ background-color: rgb(0, 205,  
231) }
```

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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