

Converting Colors

XYZ(22.2662, 42.5962, 81.7117)

Have a look what the booklet for
XYZ(22.2662, 42.5962, 81.7117)
contains.

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Color

**XYZ(36.3542, 49.8558,
82.5700)**

Conversions

Conversions Part 1

Format	Color
Hex	00CEE6
RGB	0, 206, 230
RGB Percent	0%, 81%, 90%
CMY	0.9998, 0.1921, 0.0980
CMYK	1.00, 0.10, 0.00, 0.10
HSL	186°, 100%, 45%
HSV	186°, 100%, 90%
XYZ	36.3542, 49.8558, 82.5700
YIQ	147.1420, -130.4800, -36.2080

Conversions

Conversions Part 2

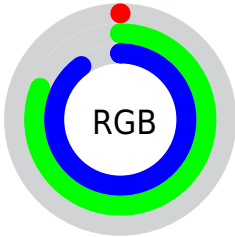
Format	Color
RYB	0, 109, 230
Decimal	52966
CIELab	75.98, -33.52, -23.80
CIELCh	76, 41.109, 215.369
Yxy	49.8558, 0.2154, 0.2954
Android (android.graphics.Color)	4278243046 (0xFF00CEE6)
YUV	147.1420, 40.8490, -129.0435
Hunter-Lab	70.6086, -31.6610, -19.9079

Details

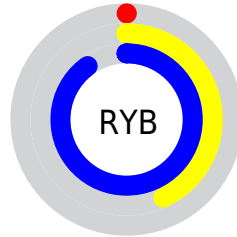
The XYZ color **36.3542, 49.8558, 82.5700** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **32.9616, 17.4788, 1.6381**, and the grayscale version is **27.6743, 29.1156, 31.7068**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.7066, 25.1892, 43.9205** is the 20% darker color. If you saturate the color by 10%, you get **36.3537, 49.8544, 82.5707**, and if you desaturate by 10%, it is **37.2921, 51.2047, 82.7819**.

Distribution



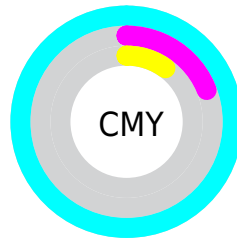
- Red (0%)
- Green (81%)
- Blue (90%)



- Red (0%)
- Yellow (43%)
- Blue (90%)



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





- Cyan (100%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3542, 49.8558, 82.5700 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 36.3542, 49.8558, 82.5700 by changing the saturation by 10% instead.


 36.3542, 49.8558,
82.5700


 36.3542, 49.8558,
82.5700


321.9103,
386.1018, 523.4857


 24.8793, 35.2988,
61.2969

 68.8987, 89.9612,
138.8169


 16.1154, 23.8932,
44.0327


 90.6990, 116.2784,
174.6278


 9.6972, 15.2544,
30.3589


 116.6718,
147.2845, 216.1217

 5.2594, 8.9981,
19.8568

 147.1824,
183.3638, 263.7172

 2.4366, 4.7400,
12.1079

 182.5962,
224.9008, 317.8328

 0.8634, 2.0955,
6.6938

223.2785,

 0.0000, 0.6621,

272.2799, 378.8871

3.1958

269.5948,
325.8854, 447.2986

■ 0.0000, 0.0000,
1.1955

■ 0.0000, 0.0000,
0.0000

■ 36.3542, 49.8558,
82.5700

■ 36.3542, 49.8558,
82.5700

■ 36.3537, 49.8544,
82.5707

■ 37.2921, 51.2047,
82.7819

■ 38.6579, 52.7864,
83.0152

■ 40.5870, 54.6718,
83.2774

■ 43.1570, 56.9008,
83.5722

■ 46.4334, 59.5073,
83.9027

■ 50.4734, 62.5208,
84.2714

■ 55.3283, 65.9678,
84.6809

■ 61.0448, 69.8726,
85.1333

■ 67.6664, 74.2575,
85.6306

Harmonies

Analogous

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



34.1737, 49.8558, 58.3309



36.3542, 49.8558, 82.5700



41.5047, 49.8558, 102.4109

Triad

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



36.3542, 49.8558, 82.5700



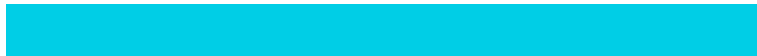
62.0881, 49.8558, 73.8481



46.0206, 49.8558, 22.1686

Complementary

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



36.3542, 49.8558, 82.5700



32.9616, 17.4788, 1.6381

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.



53.7992, 49.8558, 24.2426



36.3542, 49.8558, 82.5700



63.6293, 49.8558, 50.4297

Square

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



36.3542, 49.8558, 82.5700



56.4410, 49.8558, 96.4979



60.4513, 49.8558, 33.3320



39.3561, 49.8558, 26.6243

Rectangle

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



36.3542, 49.8558, 82.5700



46.2062, 49.8558, 108.1699



60.4513, 49.8558, 33.3320



48.5866, 49.8558, 22.1426

Sweetspot

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



36.3558, 49.8576, 82.5712



69.7907, 83.2756, 107.0032



28.4530, 56.6568, 10.2495



14.3554, 17.4153, 22.8548



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.



36.3558, 49.8576, 82.5712



45.8999, 62.9198, 104.3333



18.1139, 13.3738, 76.4906



14.6722, 16.0658, 18.4720



20.6346, 28.3313, 46.7641



1.5620, 2.1679, 3.4681

Inverse Universe

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



43.7751, 21.2808, 60.1947



55.2974, 26.8829, 75.9550



41.7256, 35.0069, 4.5594



14.9269, 14.5879, 17.8154



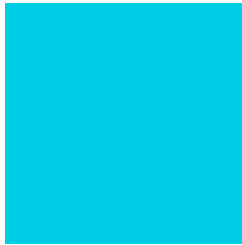
24.8089, 12.0578, 34.2182



1.8520, 0.8985, 2.6274

Previews

White Background



This preview shows how the XYZ color 36.3542, 49.8558, 82.5700 looks on a white background.

Color Contrast Check

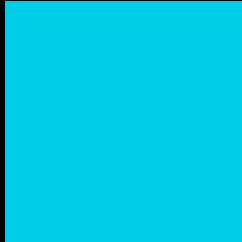
Large Text (above 18pt) WCAG AA × Fail

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 36.3542, 49.8558, 82.5700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

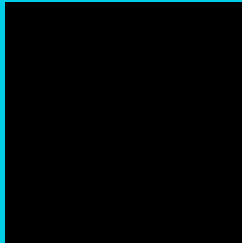
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3542, 49.8558, 82.5700

Background



This preview shows how black text looks on a background with the XYZ color 36.3542, 49.8558, 82.5700.



This preview shows how white text looks on a background with the XYZ color 36.3542, 49.8558,

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

36.3542, 49.8558, 82.5700

Protanopia

48.2286, 48.8906, 71.1849

Deuteranopia

50.0834, 48.9190, 85.3999



Tritanopia

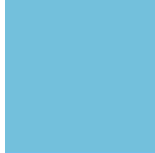
35.6321, 49.9534, 77.5760

Trichromacy



Original Color

36.3542, 49.8558, 82.5700



Protanomaly

38.8381, 46.5114, 74.6408



Deuteranomaly

40.1488, 46.6555, 83.9801



Tritanomaly

36.0403, 50.1166, 79.7255

Monochromacy



Original Color

36.3542, 49.8558, 82.5700



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.5545, 33.5593, 46.6730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3542, 49.8558, 82.5700 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, 206, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 230)  
}
```

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, 206, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 230) }
```

Border

The CSS property to change the border of an element to XYZ 36.3542, 49.8558, 82.5700 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, 206, 230) }
```


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

```
.border{ border-color:rgb(0, 206, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3542, 49.8558, 82.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 230) }
```

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

```
.background{ background-color: rgb(0, 206,  
230) }
```

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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