

Converting Colors

XYZ(35.5266, 48.3128, 81.9481)

Have a look what the booklet for
XYZ(35.5266, 48.3128, 81.9481)
contains.

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Color

**XYZ(35.6389, 48.4250,
82.3315)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBE6
RGB	0, 203, 230
RGB Percent	0%, 80%, 90%
CMY	0.9997, 0.2039, 0.0980
CMYK	1.00, 0.12, 0.00, 0.10
HSL	187°, 100%, 45%
HSV	187°, 100%, 90%
XYZ	35.6389, 48.4250, 82.3315
YIQ	145.3810, -129.6550, -34.6390

Conversions

Conversions Part 2

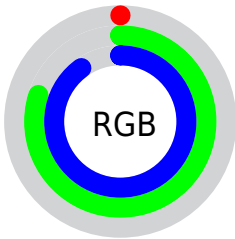
Format	Color
RYB	0, 108, 230
Decimal	52198
CIELab	75.09, -32.09, -25.15
CIELCh	75, 40.771, 218.090
Yxy	48.4250, 0.2142, 0.2910
Android (android.graphics.Color)	4278242278 (0xFF00CBE6)
YUV	145.3810, 41.7172, -127.4991
Hunter-Lab	69.5881, -30.3620, -21.4359

Details

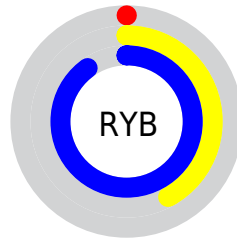
The XYZ color **35.6389, 48.4250, 82.3315** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **33.0273, 17.6102, 1.6603**, and the grayscale version is **26.9505, 28.3540, 30.8776**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.2299, 24.2358, 43.7616** is the 20% darker color. If you saturate the color by 10%, you get **35.6378, 48.4226, 82.3320**, and if you desaturate by 10%, it is **36.6379, 49.8960, 82.5637**.

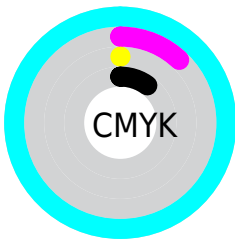
Distribution



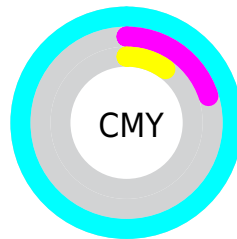
- Red (0%)
- Green (80%)
- Blue (90%)



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



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




- Cyan (100%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6389, 48.4250, 82.3315 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 35.6389, 48.4250, 82.3315 by changing the saturation by 10% instead.


 35.6389, 48.4250,
82.3315


 35.6389, 48.4250,
82.3315


318.8383,
380.4743, 522.6684


 24.3243, 34.1636,
61.1014


 67.8019, 87.8369,
138.4796


 15.7004, 23.0193,
43.8759


 89.3809, 113.7561,
174.2348


 9.4019, 14.6078,
30.2365


 115.1121,
144.3300, 215.6686

 5.0634, 8.5446,
19.7646

 145.3609,
179.9430, 263.1998

 2.3197, 4.4453,
12.0417

 180.4925,
220.9796, 317.2469

 0.8047, 1.9257,
6.6492

220.8724,

 0.0000, 0.5637,

267.8241, 378.2283

3.1686

266.8659,
320.8608, 446.5626

■ 0.0000, 0.0000,
1.1813

■ 0.0000, 0.0000,
0.0000

■ 35.6389, 48.4250,
82.3315

■ 35.6389, 48.4250,
82.3315

■ 35.6378, 48.4226,
82.3320

■ 36.6379, 49.8960,
82.5637

■ 38.0673, 51.6046,
82.8182

■ 40.0623, 53.6214,
83.1023

■ 42.7007, 55.9866,
83.4198

■ 46.0478, 58.7340,
83.7737

■ 50.1609, 61.8931,
84.1667

■ 55.0913, 65.4906,
84.6012

■ 60.8858, 69.5505,
85.0794

■ 67.5877, 74.0955,
85.6034

Harmonies

Analogous

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



33.2405, 48.4250, 58.7188



35.6389, 48.4250, 82.3315



40.8808, 48.4250, 100.7360

Triad

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



35.6389, 48.4250, 82.3315



60.6516, 48.4250, 69.5818



44.0382, 48.4250, 21.6257

Complementary

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



35.6389, 48.4250, 82.3315



33.0273, 17.6102, 1.6603

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.



51.5868, 48.4250, 23.0684



35.6389, 48.4250, 82.3315



61.7313, 48.4250, 47.1566

Square

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



35.6389, 48.4250, 82.3315



55.4503, 48.4250, 92.0982



58.2586, 48.4250, 31.2351



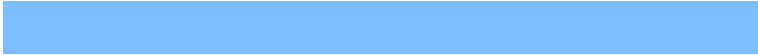
37.7359, 48.4250, 26.5614

Rectangle

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



35.6389, 48.4250, 82.3315



45.5502, 48.4250, 105.3360



58.2586, 48.4250, 31.2351



46.5061, 48.4250, 21.4134

Sweetspot

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



35.6405, 48.4267, 82.3327



69.4861, 82.6664, 106.9016



28.4946, 56.6734, 10.4676



14.2815, 17.2675, 22.8302



0.0000, 0.0000, 0.0000



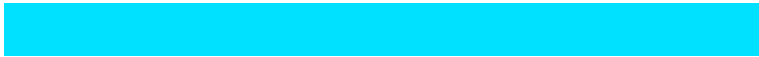
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6405, 48.4267, 82.3327



44.9909, 61.1018, 104.0303



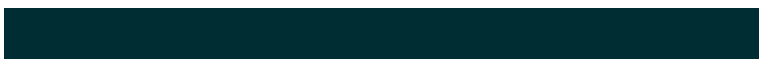
17.7908, 12.7274, 76.3828



14.6554, 16.0322, 18.4664



20.2348, 27.5318, 46.6308



1.5364, 2.1167, 3.4596

Inverse Universe

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



43.4141, 21.1366, 58.2931



54.8385, 26.6994, 73.5389



42.2860, 36.1276, 4.7465



14.9184, 14.5846, 17.7707



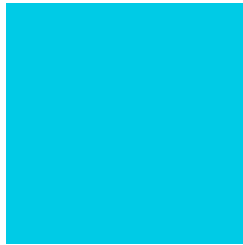
24.6071, 11.9771, 33.1557



1.8391, 0.8934, 2.5593

Previews

White Background



This preview shows how the XYZ color 35.6389, 48.4250, 82.3315 looks on a white background.

Color Contrast Check

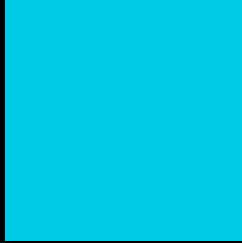
Large Text (above 18pt) WCAG AA × Fail

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 35.6389, 48.4250, 82.3315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

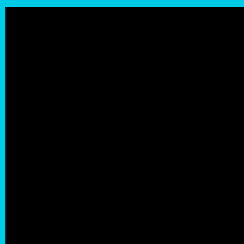
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

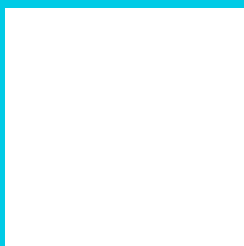
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6389, 48.4250, 82.3315

Background



This preview shows how black text looks on a background with the XYZ color 35.6389, 48.4250, 82.3315.

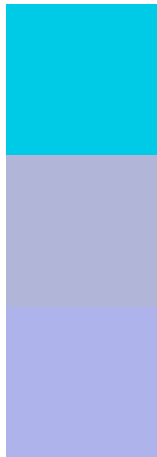


This preview shows how white text looks on a background with the XYZ color 35.6389, 48.4250,

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

35.6389, 48.4250, 82.3315

Protanopia

47.2541, 47.7609, 71.6940

Deuteranopia

48.7722, 47.6393, 85.2220



Tritanopia

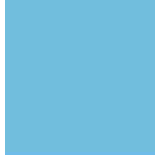
34.5111, 48.3530, 75.2243

Trichromacy



Original Color

35.6389, 48.4250, 82.3315



Protanomaly

38.2747, 45.5581, 75.1829



Deuteranomaly

39.2467, 45.2291, 83.7524



Tritanomaly

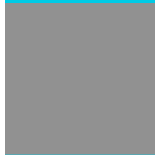
35.0474, 48.5675, 78.0483

Monochromacy



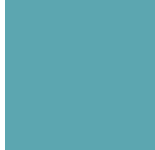
Original Color

35.6389, 48.4250, 82.3315



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 35.6389, 48.4250, 82.3315 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, 203, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 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, 203, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 230) }
```

Border

The CSS property to change the border of an element to XYZ 35.6389, 48.4250, 82.3315 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, 203, 230) }
```


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

```
.border{ border-color:rgb(0, 203, 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, 203, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6389, 48.4250, 82.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 230) }
```

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

```
.background{ background-color: rgb(0, 203,  
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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