

Converting Colors

XYZ(36.3320, 48.1703, 87.6183)

Have a look what the booklet for
XYZ(36.3320, 48.1703, 87.6183)
contains.

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Color

**XYZ(36.4066, 48.3555,
87.5355)**

Conversions

Conversions Part 1

Format	Color
Hex	00CAED
RGB	0, 202, 237
RGB Percent	0%, 79%, 93%
CMY	0.9997, 0.2078, 0.0706
CMYK	1.00, 0.15, 0.00, 0.07
HSL	189°, 100%, 46%
HSV	189°, 100%, 93%
XYZ	36.4066, 48.3555, 87.5355
YIQ	145.5920, -131.6270, -31.9390

Conversions

Conversions Part 2

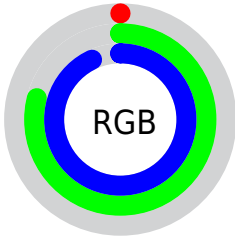
Format	Color
RYB	0, 109, 237
Decimal	51949
CIELab	75.05, -29.33, -28.99
CIELCh	75, 41.238, 224.663
Yxy	48.3555, 0.2113, 0.2807
Android (android.graphics.Color)	4278242029 (0xFF00CAED)
YUV	145.5920, 45.0641, -127.6842
Hunter-Lab	69.5381, -28.2382, -25.9583

Details

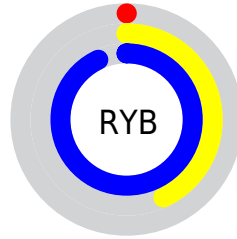
The XYZ color **36.4066, 48.3555, 87.5355** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **35.5287, 19.2107, 1.8373**, and the grayscale version is **27.0235, 28.4308, 30.9612**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.9304, 24.5160, 47.4504** is the 20% darker color. If you saturate the color by 10%, you get **36.4052, 48.3523, 87.5359**, and if you desaturate by 10%, it is **37.6093, 50.2097, 87.8310**.

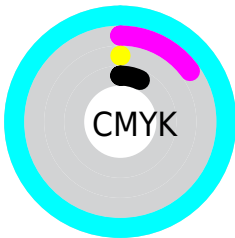
Distribution



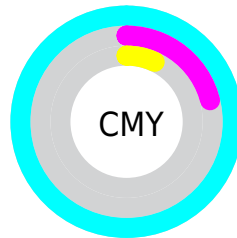
- Red (0%)
- Green (79%)
- Blue (93%)



- Red (0%)
- Yellow (43%)
- Blue (93%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4066, 48.3555, 87.5355 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 36.4066, 48.3555, 87.5355 by changing the saturation by 10% instead.


 36.4066, 48.3555,
87.5355


 36.4066, 48.3555,
87.5355


322.1346,
380.1995, 540.3427


 24.9199, 34.1085,
65.3763

 68.9790, 87.7335,
145.8157


 16.1458, 22.9770,
47.3130


 90.7954, 113.6332,
182.7739

 9.7189, 14.5765,
32.9270

 116.7858,
144.1860, 225.5021

 5.2738, 8.5227,
21.7999

 147.3155,
179.7763, 274.4188

 2.4452, 4.4312,
13.5130

 182.7498,
220.7884, 329.9428

 0.8677, 1.9176,
7.6479

223.4542,

 0.0000, 0.5589,

267.6067, 392.4924

3.7860

269.7940,
320.6156, 462.4862

■ 0.0000, 0.0000,
1.5087

■ 0.0000, 0.0000,
0.2244

■ 36.4066, 48.3555,
87.5355

■ 36.4066, 48.3555,
87.5355

■ 36.4052, 48.3523,
87.5359

■ 37.6093, 50.2097,
87.8310

■ 39.2816, 52.3330,
88.1526

■ 41.5668, 54.8002,
88.5084

■ 44.5489, 57.6549,
88.9023

■ 48.2983, 60.9336,
89.3375

■ 52.8768, 64.6681,
89.8170

■ 58.3396, 68.8873,
90.3435

■ 64.7373, 73.6173,
90.9193

■ 72.1165, 78.8823,
91.5466

Harmonies

Analogous

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



33.3206, 48.3555, 63.8682



36.4066, 48.3555, 87.5355



42.2339, 48.3555, 103.6601

Triad

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



36.4066, 48.3555, 87.5355



61.3965, 48.3555, 64.4059



42.3897, 48.3555, 21.8464

Complementary

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



36.4066, 48.3555, 87.5355



35.5287, 19.2107, 1.8373

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.



49.9000, 48.3555, 21.9168



36.4066, 48.3555, 87.5355



61.4500, 48.3555, 42.8305

Square

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



36.4066, 48.3555, 87.5355



56.9155, 48.3555, 88.0207



57.0546, 48.3555, 28.5382



36.5099, 48.3555, 28.3094

Rectangle

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



36.4066, 48.3555, 87.5355



47.1484, 48.3555, 105.7799



57.0546, 48.3555, 28.5382



44.7926, 48.3555, 21.1780

Sweetspot

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



36.4082, 48.3572, 87.5367



68.7855, 81.2652, 106.6681



30.5414, 60.6719, 11.4433



14.1118, 16.9281, 22.7736



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.



36.4082, 48.3572, 87.5367



42.9488, 57.0177, 103.3496



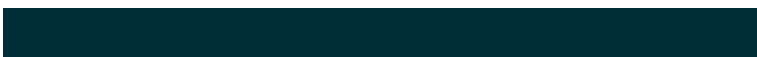
18.6905, 12.9218, 81.6308



15.3171, 16.7206, 19.3423



19.9519, 26.5508, 47.8162



1.6183, 2.1881, 3.7719

Inverse Universe

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



45.5872, 22.2705, 57.7747



53.8078, 26.2871, 68.1110



45.8520, 39.8573, 5.2784



15.6136, 15.2733, 18.5165



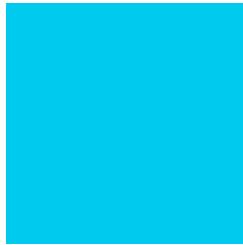
24.9261, 12.1731, 31.7418



1.9834, 0.9663, 2.6297

Previews

White Background



This preview shows how the XYZ color 36.4066, 48.3555, 87.5355 looks on a white background.

Color Contrast Check

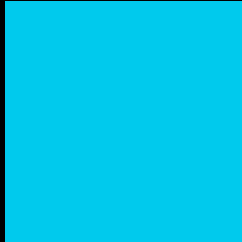
Large Text (above 18pt) WCAG AA × Fail

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 36.4066, 48.3555, 87.5355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

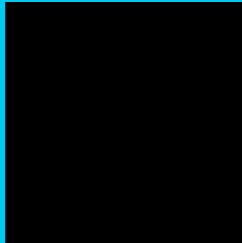
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4066, 48.3555, 87.5355

Background



This preview shows how black text looks on a background with the XYZ color 36.4066, 48.3555, 87.5355.



This preview shows how white text looks on a background with the XYZ color 36.4066, 48.3555,

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

36.4066, 48.3555, 87.5355

Protanopia

47.5028, 47.7823, 76.5313

Deuteranopia

48.7105, 47.4883, 90.6032



Tritanopia

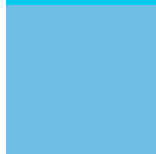
34.5111, 48.3530, 75.2243

Trichromacy



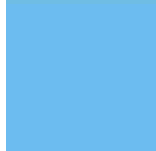
Original Color

36.4066, 48.3555, 87.5355



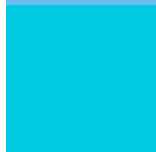
Protanomaly

38.7567, 45.3761, 80.1146



Deuteranomaly

39.8957, 45.4459, 89.1073



Tritanomaly

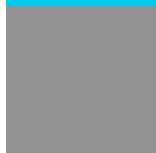
35.0834, 48.2029, 79.4065

Monochromacy



Original Color

36.4066, 48.3555, 87.5355



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.2871, 32.8543, 47.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4066, 48.3555, 87.5355 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 237) }
```

Border

The CSS property to change the border of an element to XYZ 36.4066, 48.3555, 87.5355 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, 237) }
```


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

```
.border{ border-color:rgb(0, 202, 237) }
```

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, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4066, 48.3555, 87.5355 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, 237) }
```

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

```
.background{ background-color: rgb(0, 202,  
237) }
```

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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