

Converting Colors

XYZ(36.9620, 49.4311, 87.8288)

Have a look what the booklet for
XYZ(36.9620, 49.4311, 87.8288)
contains.

XYZ(36.8789, 49.3002, 87.6929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.8789, 49.3002,
87.6929)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCED
RGB	0, 204, 237
RGB Percent	0%, 80%, 93%
CMY	0.9998, 0.2000, 0.0706
CMYK	1.00, 0.14, 0.00, 0.07
HSL	188°, 100%, 46%
HSV	188°, 100%, 93%
XYZ	36.8789, 49.3002, 87.6929
YIQ	146.7660, -132.1770, -32.9850

Conversions

Conversions Part 2

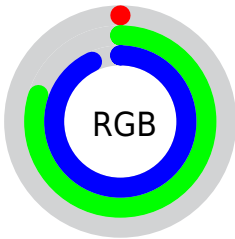
Format	Color
RYB	0, 110, 237
Decimal	52461
CIELab	75.64, -30.31, -28.08
CIELCh	76, 41.318, 222.820
Yxy	49.3002, 0.2121, 0.2835
Android (android.graphics.Color)	4278242541 (0xFF00CCED)
YUV	146.7660, 44.4854, -128.7138
Hunter-Lab	70.2141, -29.1202, -24.8995

Details

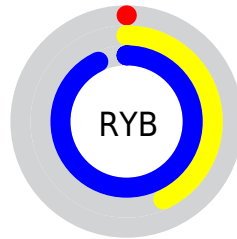
The XYZ color **36.8789, 49.3002, 87.6929** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **35.4713, 19.0958, 1.8180**, and the grayscale version is **27.5059, 28.9383, 31.5139**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.0879, 24.8311, 47.5029** is the 20% darker color. If you saturate the color by 10%, you get **36.8778, 49.2976, 87.6934**, and if you desaturate by 10%, it is **38.0437, 51.0786, 87.9757**.

Distribution



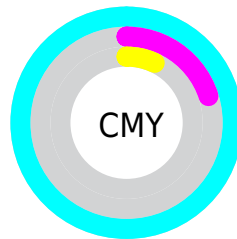
- Red (0%)
- Green (80%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8789, 49.3002, 87.6929 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 36.8789, 49.3002, 87.6929 by changing the saturation by 10% instead.


 36.8789, 49.3002,
87.6929


 36.8789, 49.3002,
87.6929


324.1506,
383.9229, 540.8722


 25.2870, 34.8577,
65.5059


 69.7015, 89.1372,
146.0369


 16.4209, 23.5533,
47.4174

 91.6630, 115.3004,
183.0310


 9.9152, 15.0026,
33.0091


 117.8116,
146.1393, 225.7978

 5.4046, 8.8212,
21.8622

 148.5128,
182.0383, 274.7559

 2.5237, 4.6247,
13.5584

 184.1320,
223.3817, 330.3239

 0.9072, 2.0288,
7.6789

225.0344,

 0.0000, 0.6241,

270.5541, 392.9202

3.8054

271.5855,
323.9397, 462.9635

■ 0.0000, 0.0000,
1.5192

■ 0.0000, 0.0000,
0.2322

■ 36.8789, 49.3002,
87.6929

■ 36.8789, 49.3002,
87.6929

■ 36.8778, 49.2976,
87.6934

■ 38.0437, 51.0786,
87.9757

■ 39.6759, 53.1219,
88.2841

■ 41.9190, 55.5051,
88.6259

■ 44.8569, 58.2716,
89.0050

■ 48.5601, 61.4579,
89.4249

■ 53.0901, 65.0959,
89.8883

■ 58.5024, 69.2142,
90.3980

■ 64.8474, 73.8391,
90.9563

■ 72.1716, 78.9947,
91.5653

Harmonies

Analogous

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



33.9329, 49.3002, 63.5765



36.8789, 49.3002, 87.6929



42.6477, 49.3002, 104.8030

Triad

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



36.8789, 49.3002, 87.6929



62.3577, 49.3002, 67.1045



43.6708, 49.3002, 22.1969

Complementary

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



36.8789, 49.3002, 87.6929



35.4713, 19.0958, 1.8180

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.



51.3374, 49.3002, 22.6604



36.8789, 49.3002, 87.6929



62.7087, 49.3002, 44.8670

Square

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



36.8789, 49.3002, 87.6929



57.5805, 49.3002, 90.8735



58.4929, 49.3002, 29.8418



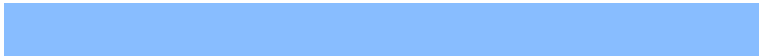
37.5574, 49.3002, 28.3360

Rectangle

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



36.8789, 49.3002, 87.6929



47.5855, 49.3002, 107.6847



58.4929, 49.3002, 29.8418



46.1387, 49.3002, 21.6472

Sweetspot

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



36.8805, 49.3020, 87.6941



68.9799, 81.6540, 106.7329



30.5413, 60.6719, 11.4430



14.1589, 17.0222, 22.7893



0.0000, 0.0000, 0.0000



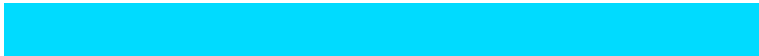
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8805, 49.3020, 87.6941



43.5087, 58.1373, 103.5362



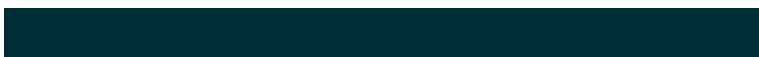
18.6902, 12.9213, 81.6307



15.3284, 16.7433, 19.3461



20.2065, 27.0600, 47.9011



1.6359, 2.2233, 3.7778

Inverse Universe

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



45.8255, 22.3658, 59.0303



54.0904, 26.4001, 69.5991



45.8517, 39.8567, 5.2782



15.6193, 15.2756, 18.5467



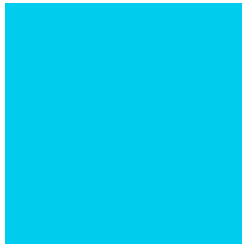
25.0546, 12.2245, 32.4185



1.9922, 0.9699, 2.6765

Previews

White Background



This preview shows how the XYZ color 36.8789, 49.3002, 87.6929 looks on a white background.

Color Contrast Check

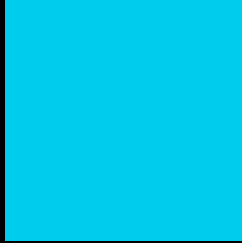
Large Text (above 18pt) WCAG AA × Fail

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 36.8789, 49.3002, 87.6929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

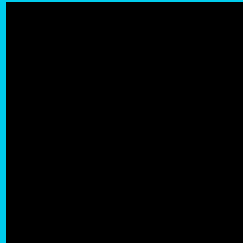
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8789, 49.3002, 87.6929

Background



This preview shows how black text looks on a background with the XYZ color 36.8789, 49.3002, 87.6929.



This preview shows how white text looks on a background with the XYZ color 36.8789, 49.3002,

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

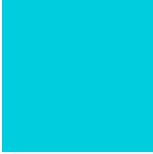
36.8789, 49.3002, 87.6929

Protanopia

48.2498, 48.4880, 75.9233

Deuteranopia

49.7682, 48.6374, 90.7693



Tritanopia

35.2561, 49.4165, 76.7874

Trichromacy



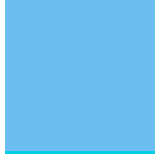
Original Color

36.8789, 49.3002, 87.6929



Protanomaly

39.3060, 46.3184, 79.5417



Deuteranomaly

40.4483, 46.3694, 89.2564



Tritanomaly

35.6964, 49.2087, 80.2899

Monochromacy



Original Color

36.8789, 49.3002, 87.6929



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.8569, 33.6802, 48.2654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8789, 49.3002, 87.6929 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, 204, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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, 204, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 237) }
```

Border

The CSS property to change the border of an element to XYZ 36.8789, 49.3002, 87.6929 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, 204, 237) }
```


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

```
.border{ border-color:rgb(0, 204, 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, 204, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8789, 49.3002, 87.6929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 237) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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