

Converting Colors

XYZ(20.7253, 43.9151, 80.3096)

Have a look what the booklet for
XYZ(20.7253, 43.9151, 80.3096)
contains.

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Color

**XYZ(37.4086, 52.6330,
80.8606)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4E3
RGB	0, 212, 227
RGB Percent	0%, 83%, 89%
CMY	0.9998, 0.1686, 0.1098
CMYK	1.00, 0.07, 0.00, 0.11
HSL	184°, 100%, 45%
HSV	184°, 100%, 89%
XYZ	37.4086, 52.6330, 80.8606
YIQ	150.3220, -131.1670, -40.2790

Conversions

Conversions Part 2

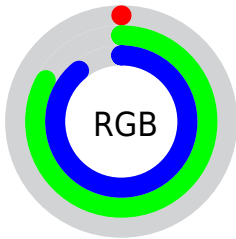
Format	Color
RYB	0, 110, 227
Decimal	54499
CIELab	77.66, -37.28, -19.64
CIELCh	78, 42.132, 207.780
Yxy	52.6330, 0.2189, 0.3080
Android (android.graphics.Color)	4278244579 (0xFF00D4E3)
YUV	150.3220, 37.8023, -131.8324
Hunter-Lab	72.5486, -34.9192, -15.2989

Details

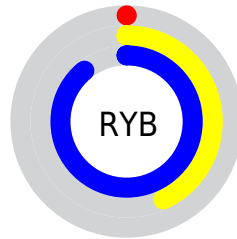
The XYZ color **37.4086, 52.6330, 80.8606** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.8509, 16.6745, 1.5414**, and the grayscale version is **29.0185, 30.5297, 33.2468**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.5034, 27.0925, 43.2312** is the 20% darker color. If you saturate the color by 10%, you get **37.4086, 52.6326, 80.8615**, and if you desaturate by 10%, it is **38.1342, 53.5675, 81.0037**.

Distribution



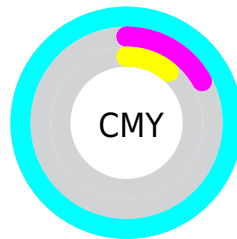
- Red (0%)
- Green (83%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4086, 52.6330, 80.8606 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 37.4086, 52.6330, 80.8606 by changing the saturation by 10% instead.


 37.4086, 52.6330,
80.8606


 37.4086, 52.6330,
80.8606


326.4011,
396.8755, 517.6114


 25.6991, 37.5099,
59.8965


 70.5105, 94.0641,
136.3973

 16.7302, 25.6025,
42.9104


 92.6337, 121.1409,
171.8070


 10.1364, 16.5265,
29.4840


 118.9588,
152.9710, 212.8689

 5.5525, 9.8975,
19.1985

 149.8512,
189.9389, 260.0017

 2.6130, 5.3310,
11.6355

 185.6763,
232.4288, 313.6237

 0.9526, 2.4428,
6.3765

226.7994,

 0.0000, 0.8478,

280.8253, 374.1537

3.0029

273.5859,
335.5128, 442.0101

■ 0.0000, 0.0000,
1.0961

■ 0.0000, 0.0000,
0.0000

■ 37.4086, 52.6330,
80.8606

■ 37.4086, 52.6330,
80.8606

■ 37.4086, 52.6326,
80.8615

■ 38.1342, 53.5675,
81.0037

■ 39.2691, 54.7171,
81.1658

■ 40.9454, 56.1510,
81.3542

■ 43.2382, 57.9079,
81.5725

■ 46.2107, 60.0205,
81.8236

■ 49.9184, 62.5173,
82.1101

■ 54.4108, 65.4239,
82.4344

■ 59.7333, 68.7637,
82.7985

■ 65.9277, 72.5582,
83.2044

Harmonies

Analogous

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



35.9504, 52.6330, 55.5881



37.4086, 52.6330, 80.8606



42.1311, 52.6330, 104.2509

Triad

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



37.4086, 52.6330, 80.8606



64.4813, 52.6330, 84.7066



50.6353, 52.6330, 23.1554

Complementary

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



37.4086, 52.6330, 80.8606



31.8509, 16.6745, 1.5414

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.



58.8505, 52.6330, 27.1193



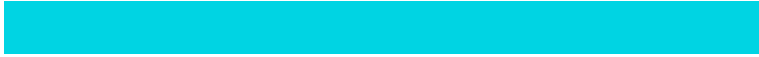
37.4086, 52.6330, 80.8606



67.3661, 52.6330, 59.0639

Square

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



37.4086, 52.6330, 80.8606



57.6870, 52.6330, 106.8621



65.2027, 52.6330, 38.8409



43.0754, 52.6330, 26.0776

Rectangle

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



37.4086, 52.6330, 80.8606



46.7834, 52.6330, 113.2790



65.2027, 52.6330, 38.8409



53.4152, 52.6330, 23.6967

Sweetspot

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



37.4103, 52.6349, 80.8619



70.6933, 85.0808, 107.3040



27.5330, 54.9644, 9.4871



14.5747, 17.8538, 22.9279



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.



37.4103, 52.6349, 80.8619



48.6674, 68.4548, 105.2558



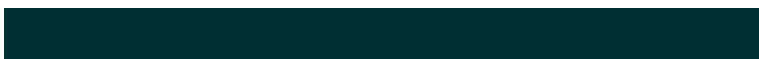
18.6354, 15.0852, 74.6036



14.7216, 16.1646, 18.4885



21.8506, 30.7632, 47.1694



1.6394, 2.3227, 3.4939

Inverse Universe

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



43.5637, 21.0860, 64.0632



56.6943, 27.4417, 83.3110



38.9974, 30.9673, 3.9236



14.9518, 14.5979, 17.9467



25.4227, 12.3033, 37.4503



1.8911, 0.9142, 2.8332

Previews

White Background



This preview shows how the XYZ color 37.4086, 52.6330, 80.8606 looks on a white background.

Color Contrast Check

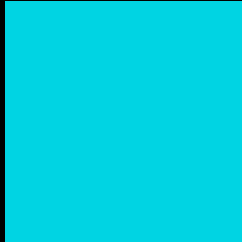
Large Text (above 18pt) WCAG AA × Fail

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 37.4086, 52.6330, 80.8606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

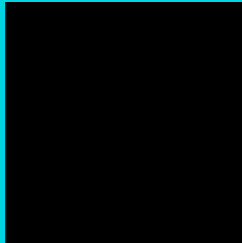
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

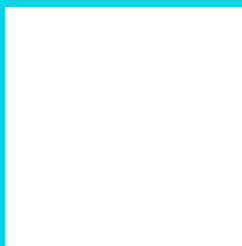
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4086, 52.6330, 80.8606

Background



This preview shows how black text looks on a background with the XYZ color 37.4086, 52.6330, 80.8606.



This preview shows how white text looks on a background with the XYZ color 37.4086, 52.6330,

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

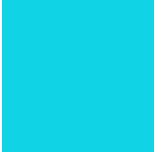
37.4086, 52.6330, 80.8606

Protanopia

50.5748, 51.7135, 69.6035

Deuteranopia

53.0059, 51.6924, 84.2747



Tritanopia

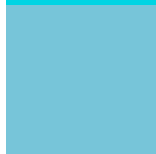
37.9000, 52.8543, 82.3331

Trichromacy



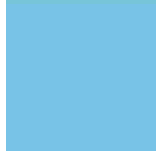
Original Color

37.4086, 52.6330, 80.8606



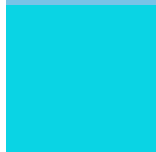
Protanomaly

40.0984, 48.8642, 72.9640



Deuteranomaly

41.6846, 48.7928, 82.8222



Tritanomaly

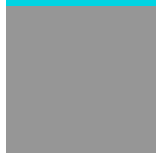
37.6722, 52.7529, 81.5956

Monochromacy



Original Color

37.4086, 52.6330, 80.8606



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.6988, 35.5344, 47.5184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4086, 52.6330, 80.8606 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, 212, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 227)  
}
```

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, 212, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.4086, 52.6330, 80.8606 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, 212, 227) }
```


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

```
.border{ border-color:rgb(0, 212, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4086, 52.6330, 80.8606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 227) }
```

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

```
.background{ background-color: rgb(0, 212,  
227) }
```

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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