

Converting Colors

XYZ(38.0677, 53.4707, 82.5617)

Have a look what the booklet for
XYZ(38.0677, 53.4707, 82.5617)
contains.

XYZ(37.9371, 53.2456, 82.4067)	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(37.9371, 53.2456,
82.4067)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5E5
RGB	0, 213, 229
RGB Percent	0%, 84%, 90%
CMY	0.9998, 0.1647, 0.1020
CMYK	1.00, 0.07, 0.00, 0.10
HSL	184°, 100%, 45%
HSV	184°, 100%, 90%
XYZ	37.9371, 53.2456, 82.4067
YIQ	151.1370, -132.0840, -40.1800

Conversions

Conversions Part 2

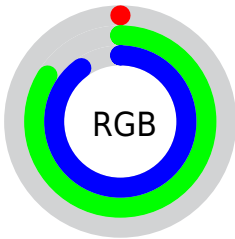
Format	Color
RYB	0, 110, 229
Decimal	54757
CIELab	78.02, -37.12, -20.16
CIELCh	78, 42.240, 208.507
Yxy	53.2456, 0.2185, 0.3067
Android (android.graphics.Color)	4278244837 (0xFF00D5E5)
YUV	151.1370, 38.3865, -132.5471
Hunter-Lab	72.9696, -34.8941, -15.8792

Details

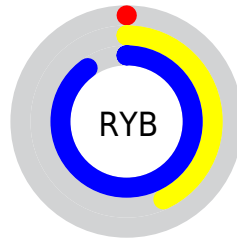
The XYZ color **37.9371, 53.2456, 82.4067** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.5001, 17.0307, 1.5761**, and the grayscale version is **29.3638, 30.8930, 33.6424**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.8668, 27.5097, 44.3072** is the 20% darker color. If you saturate the color by 10%, you get **37.9369, 53.2450, 82.4076**, and if you desaturate by 10%, it is **38.6950, 54.2379, 82.5593**.

Distribution



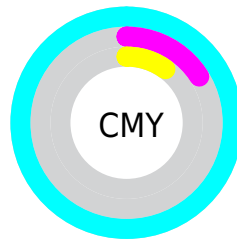
- Red (0%)
- Green (84%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9371, 53.2456, 82.4067 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 37.9371, 53.2456, 82.4067 by changing the saturation by 10% instead.

37.9371, 53.2456,
82.4067

37.9371, 53.2456,
82.4067

328.6356,
399.2267, 522.9262

26.1109, 37.9989,
61.1631

71.3162, 94.9657,
138.5860

17.0397, 25.9818,
43.9254

93.5999, 122.2078,
174.3587

10.3583, 16.8100,
30.2751

120.1000,
154.2172, 215.8115

5.7012, 10.0991,
19.7936

151.1820,
191.3782, 263.3630

2.7032, 5.4647,
12.0625

187.2112,
234.0753, 317.4317

0.9988, 2.5224,
6.6632

228.5529,

0.0000, 0.8878,

282.6928, 378.4361

3.1772

275.5726,
337.6151, 446.7947

■ 0.0000, 0.0000,
1.1858

■ 0.0000, 0.0000,
0.0000

■ 37.9371, 53.2456,
82.4067

■ 37.9371, 53.2456,
82.4067

■ 37.9369, 53.2450,
82.4076

■ 38.6950, 54.2379,
82.5593

■ 39.8715, 55.4509,
82.7314

■ 41.6009, 56.9548,
82.9305

■ 43.9600, 58.7892,
83.1603

■ 47.0133, 60.9876,
83.4237

■ 50.8176, 63.5790,
83.7234

■ 55.4235, 66.5896,
84.0617

■ 60.8773, 70.0434,
84.4409

■ 67.2218, 73.9625,
84.8630

Harmonies

Analogous

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



36.3801, 53.2456, 56.8025



37.9371, 53.2456, 82.4067



42.7836, 53.2456, 105.8429

Triad

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



37.9371, 53.2456, 82.4067



65.3368, 53.2456, 85.0197



51.0218, 53.2456, 23.4469

Complementary

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



37.9371, 53.2456, 82.4067



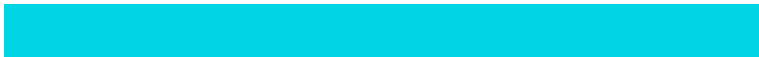
32.5001, 17.0307, 1.5761

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.



59.3334, 53.2456, 27.2811



37.9371, 53.2456, 82.4067



68.1331, 53.2456, 59.1644

Square

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



37.9371, 53.2456, 82.4067



58.5428, 53.2456, 107.6167



65.8270, 53.2456, 38.9240



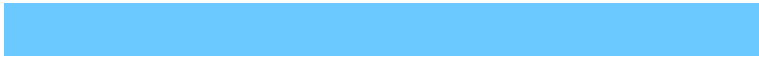
43.4253, 53.2456, 26.5729

Rectangle

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



37.9371, 53.2456, 82.4067



47.5203, 53.2456, 114.6929



65.8270, 53.2456, 38.9240



53.8274, 53.2456, 23.9388

Sweetspot

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



37.9388, 53.2475, 82.4080



70.6033, 84.9007, 107.2740



28.1090, 56.0752, 9.8062



14.5528, 17.8101, 22.9206



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.



37.9388, 53.2475, 82.4080



48.3864, 67.8929, 105.1621



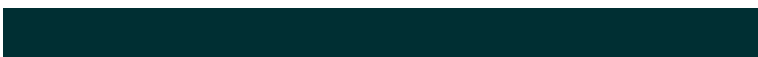
18.6311, 14.6323, 75.9721



14.7167, 16.1548, 18.4869



21.7272, 30.5165, 47.1283



1.6316, 2.3071, 3.4913

Inverse Universe

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



44.3248, 21.4638, 64.7594



56.5524, 27.3850, 82.5642



40.2691, 32.5689, 4.1658



14.9494, 14.5969, 17.9337



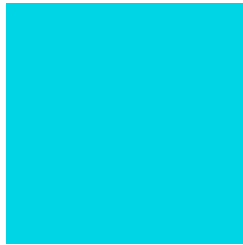
25.3604, 12.2784, 37.1223



1.8872, 0.9126, 2.8124

Previews

White Background



This preview shows how the XYZ color 37.9371, 53.2456, 82.4067 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 37.9371, 53.2456, 82.4067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

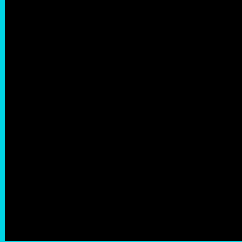
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

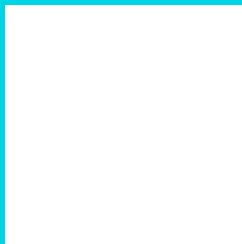
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9371, 53.2456, 82.4067

Background



This preview shows how black text looks on a background with the XYZ color 37.9371, 53.2456, 82.4067.

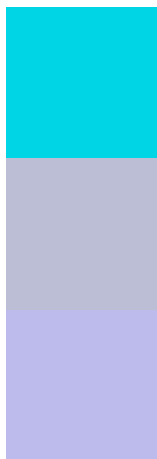


This preview shows how white text looks on a background with the XYZ color 37.9371, 53.2456,

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

37.9371, 53.2456, 82.4067

Protanopia

51.2901, 52.3733, 71.0241

Deuteranopia

53.5048, 52.2302, 85.8587



Tritanopia

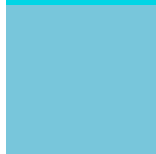
38.2288, 53.3798, 83.1514

Trichromacy



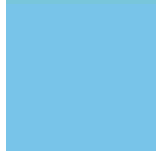
Original Color

37.9371, 53.2456, 82.4067



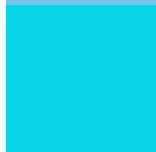
Protanomaly

40.7260, 49.4957, 74.4250



Deuteranomaly

42.1936, 49.3561, 84.3936



Tritanomaly

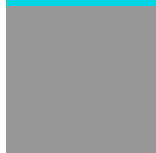
38.1773, 53.3533, 83.1490

Monochromacy



Original Color

37.9371, 53.2456, 82.4067



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

28.0966, 36.0136, 48.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9371, 53.2456, 82.4067 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, 213, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 229)  
}
```

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, 213, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.9371, 53.2456, 82.4067 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, 213, 229) }
```


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

```
.border{ border-color:rgb(0, 213, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9371, 53.2456, 82.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 229) }
```

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

```
.background{ background-color: rgb(0, 213,  
229) }
```

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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