

Converting Colors

XYZ(37.0346, 51.5317, 81.4510)

Have a look what the booklet for
XYZ(37.0346, 51.5317, 81.4510)
contains.

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Color

**XYZ(37.1253, 51.7333,
81.4276)**

Conversions

Conversions Part 1

Format	Color
Hex	06D2E4
RGB	6, 210, 228
RGB Percent	2%, 82%, 89%
CMY	0.9762, 0.1765, 0.1059
CMYK	0.97, 0.08, 0.00, 0.11
HSL	185°, 95%, 46%
HSV	185°, 97%, 89%
XYZ	37.1253, 51.7333, 81.4276
YIQ	151.0560, -127.3620, -37.6500

Conversions

Conversions Part 2

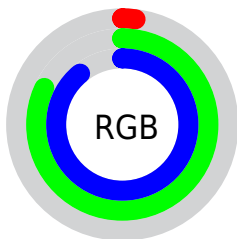
Format	Color
R _{YB}	6, 112, 228
Decimal	447204
CIE Lab	77.12, -35.89, -20.98
CIE LCh	77, 41.574, 210.314
Yxy	51.7333, 0.2180, 0.3038
Android (android.graphics.Color)	4278637284 (0xFF06D2E4)
YUV	151.0560, 37.9334, -127.2141
Hunter-Lab	71.9259, -33.7356, -16.7744

Details

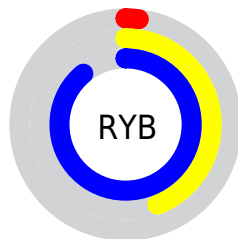
The XYZ color **37.1253, 51.7333, 81.4276** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.3564, 17.1633, 1.7816**, and the grayscale version is **29.3298, 30.8572, 33.6035**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.2642, 26.4598, 43.6271** is the 20% darker color. If you saturate the color by 10%, you get **36.9298, 51.4536, 81.3849**, and if you desaturate by 10%, it is **38.0130, 52.8736, 81.6019**.

Distribution



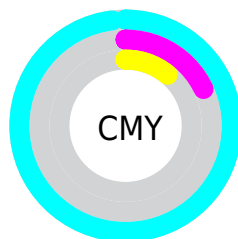
- Red (2%)
- Green (82%)
- Blue (89%)



- Red (2%)
- Yellow (44%)
- Blue (89%)



- Cyan (97%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (98%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1253, 51.7333, 81.4276 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 37.1253, 51.7333, 81.4276 by changing the saturation by 10% instead.

37.1253, 51.7333,
81.4276

37.1253, 51.7333,
81.4276

325.1988,
393.4061, 519.5641

25.4786, 36.7925,
60.3608

70.0780, 92.7378,
137.2005

16.5646, 25.0469,
43.2823

92.1148, 119.5703,
172.7436

10.0180, 16.1120,
29.7736

118.3457,
151.1355, 213.9493

5.4732, 9.6034,
19.4162

149.1360,
187.8179, 261.2360

2.5651, 5.1368,
11.7916

184.8511,
230.0017, 315.0223

0.9282, 2.3278,
6.4811

225.8564,

0.0000, 0.7883,

278.0714, 375.7267

3.0663

272.5172,
332.4114, 443.7678

■ 0.0000, 0.0000,
1.1286

■ 0.0000, 0.0000,
0.0000

■ 37.1253, 51.7333,
81.4276

■ 37.1253, 51.7333,
81.4276

■ 36.9298, 51.4536,
81.3849

■ 38.0130, 52.8736,
81.6019

■ 39.3736, 54.2645,
81.7987

■ 41.3043, 55.9572,
82.0236

■ 43.8774, 57.9890,
82.2802

■ 47.1545, 60.3916,
82.5712

■ 51.1899, 63.1931,
82.8993

■ 56.0325, 66.4187,
83.2666

■ 61.7271, 70.0915,
83.6754

■ 68.3152, 74.2330,
84.1276

Harmonies

Analogous

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



35.4201, 51.7333, 56.5691



37.1253, 51.7333, 81.4276



41.9857, 51.7333, 103.5365

Triad

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



37.1253, 51.7333, 81.4276



63.6748, 51.7333, 80.8974



49.0872, 51.7333, 22.9241

Complementary

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



37.1253, 51.7333, 81.4276



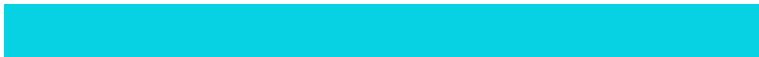
32.3564, 17.1633, 1.7816

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.



57.1325, 51.7333, 26.2244



37.1253, 51.7333, 81.4276



66.0868, 51.7333, 56.0891

Square

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



37.1253, 51.7333, 81.4276



57.2931, 51.7333, 103.1769



63.5753, 51.7333, 37.0033



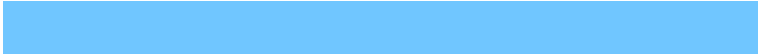
41.8552, 51.7333, 26.3689

Rectangle

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



37.1253, 51.7333, 81.4276



46.6449, 51.7333, 111.4096



63.5753, 51.7333, 37.0033



51.7866, 51.7333, 23.2680

Sweetspot

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



37.1269, 51.7352, 81.4289



70.9944, 84.8029, 107.2345



27.9537, 55.5803, 9.9574



14.6125, 17.7642, 22.9086



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.



37.1269, 51.7352, 81.4289



47.5641, 66.2481, 104.8880



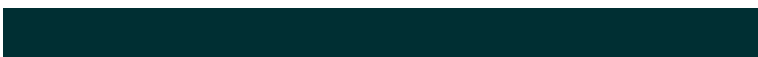
18.8543, 15.1898, 75.3380



14.7022, 16.1258, 18.4820



21.3660, 29.7940, 47.0079



1.6086, 2.2612, 3.4836

Inverse Universe

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



43.6943, 21.2791, 62.7789



56.1373, 27.2189, 80.3783



40.2565, 32.9634, 4.4149



14.9420, 14.5940, 17.8951



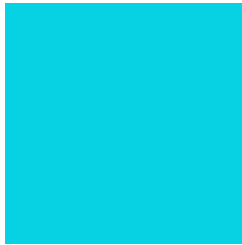
25.1781, 12.2054, 36.1623



1.8756, 0.9079, 2.7514

Previews

White Background



This preview shows how the XYZ color 37.1253, 51.7333, 81.4276 looks on a white background.

Color Contrast Check

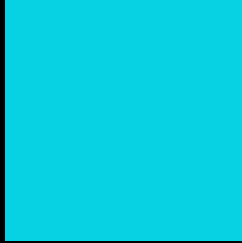
Large Text (above 18pt) WCAG AA × Fail

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 37.1253, 51.7333, 81.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

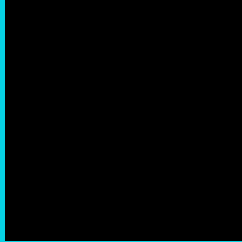
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1253, 51.7333, 81.4276

Background



This preview shows how black text looks on a background with the XYZ color 37.1253, 51.7333, 81.4276.



This preview shows how white text looks on a background with the XYZ color 37.1253, 51.7333,

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

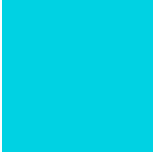
37.1253, 51.7333, 81.4276

Protanopia

49.7881, 50.6590, 70.1048

Deuteranopia

52.2078, 50.9527, 84.9251



Tritanopia

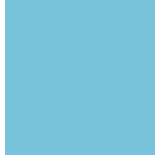
36.9117, 51.6392, 80.6950

Trichromacy



Original Color

37.1253, 51.7333, 81.4276



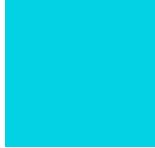
Protanomaly

39.9157, 48.0852, 73.5073



Deuteranomaly

41.6030, 48.4028, 83.4939



Tritanomaly

36.9368, 51.6521, 80.6961

Monochromacy



Original Color

37.1253, 51.7333, 81.4276



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.9262, 35.3564, 48.0004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1253, 51.7333, 81.4276 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(6, 210, 228)` looks like.

```
.text, #text, p{  
    color:rgb(6, 210, 228)  
}
```

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(6, 210, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 210, 228) }
```

Border

The CSS property to change the border of an element to XYZ 37.1253, 51.7333, 81.4276 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(6, 210, 228) }
```


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

```
.border{ border-color:rgb(6, 210, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 210, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 210, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 210, 228);  
box-shadow:4px 4px 4px 4px rgb(6, 210,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1253, 51.7333, 81.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 210, 228) }
```

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

```
.background{ background-color: rgb(6, 210,  
228) }
```

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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