

Converting Colors

XYZ(37.1731, 52.0005, 66.9031)

Have a look what the booklet for
XYZ(37.1731, 52.0005, 66.9031)
contains.

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Color

**XYZ(37.2896, 52.1347,
67.1291)**

Conversions

Conversions Part 1

Format	Color
Hex	4CD2CF
RGB	76, 210, 207
RGB Percent	30%, 82%, 81%
CMY	0.7019, 0.1765, 0.1882
CMYK	0.64, 0.00, 0.01, 0.18
HSL	179°, 60%, 56%
HSV	179°, 64%, 82%
XYZ	37.2896, 52.1347, 67.1291
YIQ	169.5920, -78.9010, -29.3410

Conversions

Conversions Part 2

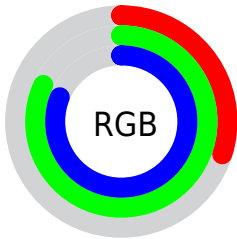
Format	Color
RYB	76, 144, 210
Decimal	5034703
CIELab	77.36, -36.39, -9.25
CIELCh	77, 37.545, 194.268
Yxy	52.1347, 0.2382, 0.3330
Android (android.graphics.Color)	4283224783 (0xFF4CD2CF)
YUV	169.5920, 18.4421, -82.0802
Hunter-Lab	72.2044, -34.1722, -4.5794

Details

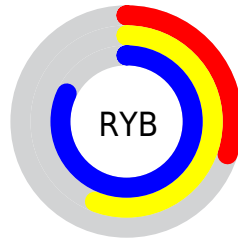
The XYZ color **37.2896, 52.1347, 67.1291** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.5759, 19.4367, 9.5391**, and the grayscale version is **37.9466, 39.9228, 43.4759**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **17.4711, 25.7426, 34.1850** is the 20% darker color. If you saturate the color by 10%, you get **35.8286, 51.3893, 66.7621**, and if you desaturate by 10%, it is **39.2983, 53.1647, 67.5250**.

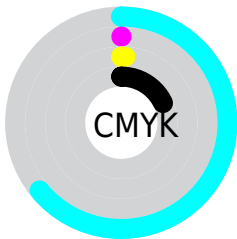
Distribution



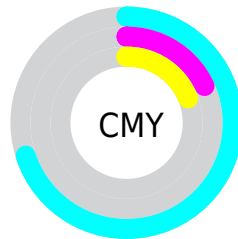
- Red (30%)
- Green (82%)
- Blue (81%)



- Red (30%)
- Yellow (56%)
- Blue (82%)



- Cyan (64%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (70%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2896, 52.1347, 67.1291 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 37.2896, 52.1347, 67.1291 by changing the saturation by 10% instead.

37.2896, 52.1347,
67.1291

37.2896, 52.1347,
67.1291

325.8964,
394.9564, 468.9182

25.6065, 37.1125,
48.7273

70.3289, 93.3299,
116.7478

16.6606, 25.2946,
34.0391

92.4158, 120.2716,
148.8017

10.0866, 16.2967,
22.6461

118.7014,
151.9552, 186.2435

5.5191, 9.7343,
14.1295

149.5510,
188.7652, 229.4916

2.5928, 5.2232,
8.0710

185.3299,
231.0859, 278.9646

0.9423, 2.3788,
4.0520

226.4036,

0.0000, 0.8149,

279.3018, 335.0810

1.6539

273.1373,
333.7971, 398.2593

■ 0.0000, 0.0000,
0.3289

■ 0.0000, 0.0000,
0.0000

■ 37.2896, 52.1347,
67.1291

■ 37.2896, 52.1347,
67.1291

■ 35.8286, 51.3893,
66.7621

■ 39.2983, 53.1647,
67.5250

■ 34.8553, 50.8942,
66.4176


■ 41.8978, 54.4982,
67.9483


■ 34.3043, 50.6168,
66.0937


■ 45.1323, 56.1589,
68.4022


■ 34.1029, 50.5170,
65.9002


■ 49.0406, 58.1670,
68.8885

 53.6581, 60.5407,
69.4089

 59.0181, 63.2971,
69.9650

 65.1515, 66.4522,
70.5581

 72.0876, 70.0211,
71.1897

 76.0748, 72.0698,
71.6843

Harmonies

Analogous

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



37.3655, 52.1347, 46.6628



37.2896, 52.1347, 67.1291



40.2696, 52.1347, 89.2509

Triad

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



37.2896, 52.1347, 67.1291



59.8778, 52.1347, 90.2245



53.4089, 52.1347, 26.4739

Complementary

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



37.2896, 52.1347, 67.1291



30.5759, 19.4367, 9.5391

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.



60.1624, 52.1347, 33.3089



37.2896, 52.1347, 67.1291



64.1372, 52.1347, 68.2310

Square

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



37.2896, 52.1347, 67.1291



53.0500, 52.1347, 104.6193



64.2461, 52.1347, 47.5281



46.2122, 52.1347, 26.3163

Rectangle

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



37.2896, 52.1347, 67.1291



43.7715, 52.1347, 100.5930



64.2461, 52.1347, 47.5281



55.8212, 52.1347, 27.9754

Sweetspot

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



37.2912, 52.1367, 67.1303



79.2423, 91.8710, 107.2506



27.7006, 48.3429, 14.7100



16.5306, 19.4429, 22.9067



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.



37.2912, 52.1367, 67.1303



54.8927, 79.3791, 103.3661



25.1216, 27.2046, 64.9019



12.1465, 13.4023, 15.1277



20.8069, 30.8157, 40.2246



1.1671, 1.7245, 2.2687

Inverse Universe

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



30.5759, 19.4367, 9.5391



43.6846, 24.7115, 7.1771



37.0500, 32.5560, 11.1701



11.8193, 11.8125, 12.3244



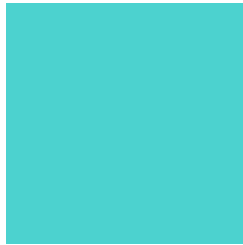
16.2331, 8.3661, 0.8675



0.9115, 0.4693, 0.0688

Previews

White Background



This preview shows how the XYZ color 37.2896, 52.1347, 67.1291 looks on a white background.

Color Contrast Check

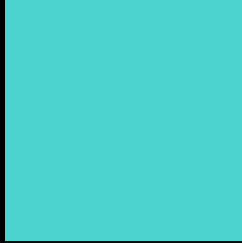
Large Text (above 18pt) WCAG AA × Fail

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 37.2896, 52.1347, 67.1291 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

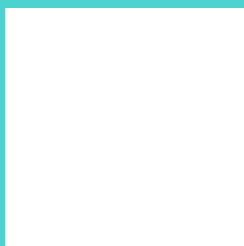
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2896, 52.1347, 67.1291

Background



This preview shows how black text looks on a background with the XYZ color 37.2896, 52.1347, 67.1291.

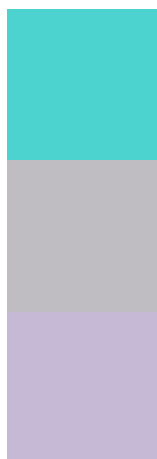


This preview shows how white text looks on a background with the XYZ color 37.2896, 52.1347,

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

37.2896, 52.1347, 67.1291

Protanopia

49.6734, 51.4967, 58.3607

Deuteranopia

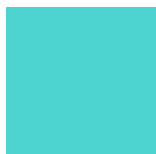
52.3852, 51.3723, 70.1056



Tritanopia

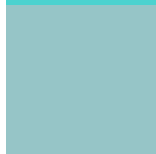
39.4235, 51.8923, 78.4594

Trichromacy



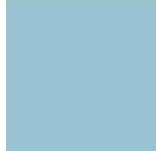
Original Color

37.2896, 52.1347, 67.1291



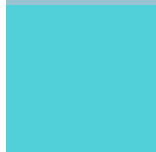
Protanomaly

42.8527, 50.5401, 61.5295



Deuteranomaly

44.1865, 50.0590, 68.9615



Tritanomaly

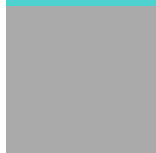
38.6041, 51.9230, 74.3172

Monochromacy



Original Color

37.2896, 52.1347, 67.1291



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.0495, 43.3511, 51.2673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2896, 52.1347, 67.1291 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(76, 210, 207)` looks like.

```
.text, #text, p{  
    color:rgb(76, 210, 207)  
}
```

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(76, 210, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 210, 207) }
```

Border

The CSS property to change the border of an element to XYZ 37.2896, 52.1347, 67.1291 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(76, 210, 207) }
```


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

```
.border{ border-color:rgb(76, 210, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 210, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 210, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 210, 207);  
box-shadow:4px 4px 4px 4px rgb(76, 210,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2896, 52.1347, 67.1291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 210, 207) }
```

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

```
.background{ background-color: rgb(76, 210,  
207) }
```

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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