

Converting Colors

XYZ(36.9978, 52.4624, 58.4224)

Have a look what the booklet for
XYZ(36.9978, 52.4624, 58.4224)
contains.

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Color

**XYZ(37.1364, 52.6124,
58.6500)**

Conversions

Conversions Part 1

Format	Color
Hex	5AD3C1
RGB	90, 211, 193
RGB Percent	35%, 83%, 76%
CMY	0.6470, 0.1725, 0.2431
CMYK	0.57, 0.00, 0.09, 0.17
HSL	171°, 58%, 59%
HSV	171°, 57%, 83%
XYZ	37.1364, 52.6124, 58.6500
YIQ	172.7690, -66.3380, -31.2500

Conversions

Conversions Part 2

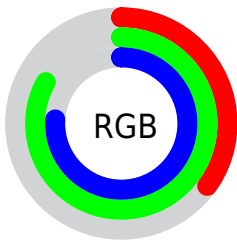
Format	Color
RYB	90, 155, 211
Decimal	5952449
CIELab	77.65, -38.11, -1.27
CIElCh	78, 38.135, 181.911
Yxy	52.6124, 0.2502, 0.3545
Android (android.graphics.Color)	4284142529 (0xFF5AD3C1)
YUV	172.7690, 9.9739, -72.5884
Hunter-Lab	72.5344, -35.5462, 2.8333

Details

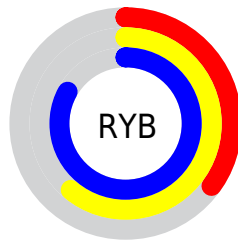
The XYZ color **37.1364, 52.6124, 58.6500** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.2287, 22.2456, 16.7319**, and the grayscale version is **39.5794, 41.6406, 45.3466**.

A 20% lighter version of the original color is **65.4366, 84.8436, 102.5501**, and **16.6471, 25.6833, 28.8909** is the 20% darker color. If you saturate the color by 10%, you get **35.0218, 51.5636, 56.7433**, and if you desaturate by 10%, it is **39.8438, 53.9685, 60.6256**.

Distribution



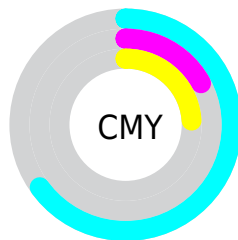
- Red (35%)
- Green (83%)
- Blue (76%)



- Red (35%)
- Yellow (61%)
- Blue (83%)



- Cyan (57%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)



- Cyan (65%)
- Magenta (17%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1364, 52.6124, 58.6500 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 37.1364, 52.6124, 58.6500 by changing the saturation by 10% instead.

37.1364, 52.6124,
58.6500

37.1364, 52.6124,
58.6500

325.2460,
396.7963, 437.2693

25.4873, 37.4934,
41.9133

70.0950, 94.0338,
104.3929

16.5711, 25.5898,
28.7083

92.1352, 121.1050,
134.2362

10.0226, 16.5170,
18.6166

118.3697,
152.9291, 169.2854

5.4763, 9.8907,
11.2196

149.1641,
189.8904, 209.9591

2.5670, 5.3266,
6.0987

184.8835,
232.3734, 256.6758

0.9291, 2.4401,
2.8354

225.8934,

0.0000, 0.8464,

280.7624, 309.8540

1.0112

272.5591,
335.4419, 369.9124

■ 0.0000, 0.0000,
0.0000

■ 37.1364, 52.6124,
58.6500

■ 37.1364, 52.6124,
58.6500

■ 35.0218, 51.5636,
56.7433

■ 39.8438, 53.9685,
60.6256

■ 33.4449, 50.7898,
54.8991

■ 43.1845, 55.6489,
62.6687

■ 32.3475, 50.2624,
53.1157

■ 47.2003, 57.6765,
64.7828

■ 31.6488, 49.9398,
51.3891

■ 51.9285, 60.0705,
66.9696

■ 31.4937, 49.8696,
50.9383

■ 57.4034, 62.8485,
69.2312

■ 63.6570, 66.0271,
71.5691

■ 70.7198, 69.6219,
73.9851

■ 77.2051, 72.9182,
76.4145

■ 77.6202, 73.0842,
78.6004

Harmonies

Analogous

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



38.5157, 52.6124, 40.2201



37.1364, 52.6124, 58.6500



38.9141, 52.6124, 81.5330

Triad

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



37.1364, 52.6124, 58.6500



57.8789, 52.6124, 99.1136



56.9813, 52.6124, 28.4190

Complementary

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



37.1364, 52.6124, 58.6500



33.2287, 22.2456, 16.7319

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.



63.0287, 52.6124, 38.3967



37.1364, 52.6124, 58.6500



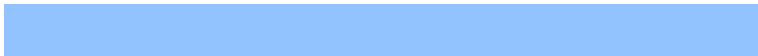
63.5817, 52.6124, 78.6028

Square

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



37.1364, 52.6124, 58.6500



50.4806, 52.6124, 108.1856



65.5518, 52.6124, 55.9432



49.5354, 52.6124, 25.5400

Rectangle

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



37.1364, 52.6124, 58.6500



41.7627, 52.6124, 95.5407



65.5518, 52.6124, 55.9432



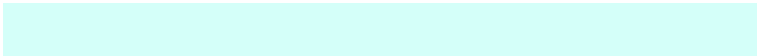
59.2695, 52.6124, 30.9092

Sweetspot

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



37.1379, 52.6144, 58.6512



79.8394, 92.2766, 102.8586



31.3441, 50.5264, 17.7747



16.7531, 19.5808, 21.8680



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.



37.1379, 52.6144, 58.6512



53.1067, 78.8316, 86.4159



30.0990, 35.1247, 66.8235



12.0796, 13.3756, 14.7756



19.0358, 30.1072, 30.8983



1.0854, 1.6918, 1.8385

Inverse Universe

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



33.2287, 22.2456, 16.7319



46.6011, 27.8838, 16.3519



37.0101, 31.1866, 13.7431



11.8794, 11.8365, 12.6407



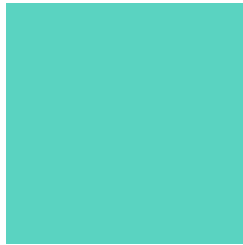
16.3883, 8.4282, 1.6850



0.9398, 0.4806, 0.2175

Previews

White Background



This preview shows how the XYZ color 37.1364, 52.6124, 58.6500 looks on a white background.

Color Contrast Check

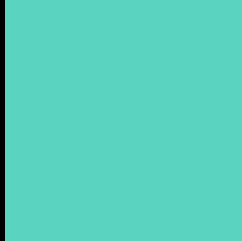
Large Text (above 18pt) WCAG AA × Fail

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 37.1364, 52.6124, 58.6500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

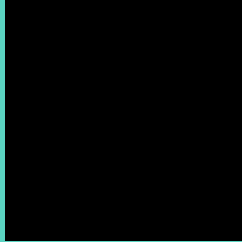
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

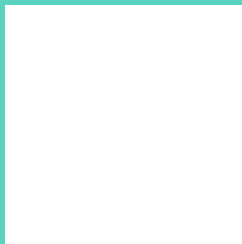
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1364, 52.6124, 58.6500

Background



This preview shows how black text looks on a background with the XYZ color 37.1364, 52.6124, 58.6500.

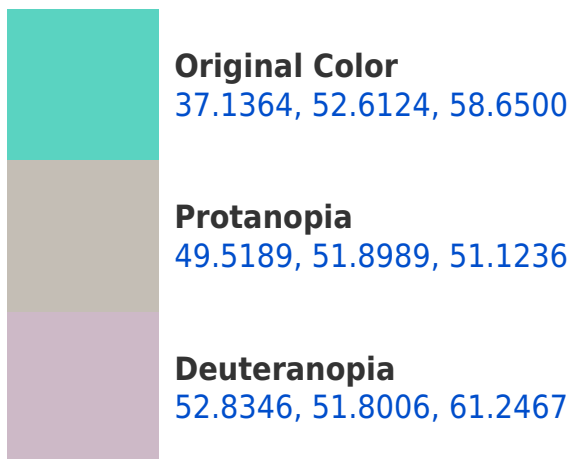


This preview shows how white text looks on a background with the XYZ color 37.1364, 52.6124,

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

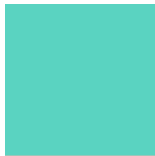




Tritanopia

40.9989, 52.7201, 77.8272

Trichromacy



Original Color

37.1364, 52.6124, 58.6500



Protanomaly

42.8557, 51.0590, 53.4956



Deuteranomaly

44.4741, 50.4013, 60.2077



Tritanomaly

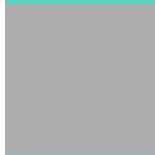
39.3693, 52.4066, 70.3279

Monochromacy



Original Color

37.1364, 52.6124, 58.6500



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.3362, 44.6756, 49.8354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1364, 52.6124, 58.6500 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(90, 211, 193)` looks like.

```
.text, #text, p{  
    color:rgb(90, 211, 193)  
}
```

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(90, 211, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 211, 193) }
```

Border

The CSS property to change the border of an element to XYZ 37.1364, 52.6124, 58.6500 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(90, 211, 193) }
```


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

```
.border{ border-color:rgb(90, 211, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 211, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 211, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 211, 193);  
box-shadow:4px 4px 4px 4px rgb(90, 211,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1364, 52.6124, 58.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 211, 193) }
```

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

```
.background{ background-color: rgb(90, 211,  
193) }
```

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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