

Converting Colors

XYZ(33.7718, 47.9866, 63.7813)

Have a look what the booklet for
XYZ(33.7718, 47.9866, 63.7813)
contains.

XYZ(33.7110, 47.8359, 63.9564)	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(33.7110, 47.8359,
63.9564)**

Conversions

Conversions Part 1

Format	Color
Hex	37CBCB
RGB	55, 203, 203
RGB Percent	22%, 80%, 80%
CMY	0.7843, 0.2039, 0.2039
CMYK	0.73, 0.00, 0.00, 0.20
HSL	180°, 59%, 51%
HSV	180°, 73%, 80%
XYZ	33.7110, 47.8359, 63.9564
YIQ	158.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

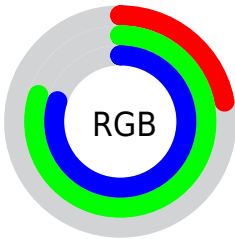
Format	Color
RYB	55, 129, 203
Decimal	3656651
CIELab	74.72, -37.11, -11.08
CIELCh	75, 38.731, 196.623
Yxy	47.8359, 0.2317, 0.3288
Android (android.graphics.Color)	4281846731 (0xFF37CBCB)
YUV	158.7480, 21.8162, -90.9870
Hunter-Lab	69.1635, -34.0334, -6.4118

Details

The XYZ color **33.7110, 47.8359, 63.9564** 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 **26.6860, 15.7063, 5.2411**, and the grayscale version is **32.7740, 34.4808, 37.5496**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **16.0147, 23.3497, 32.0967** is the 20% darker color. If you saturate the color by 10%, you get **32.8196, 47.3774, 63.9156**, and if you desaturate by 10%, it is **35.0624, 48.5336, 64.0209**.

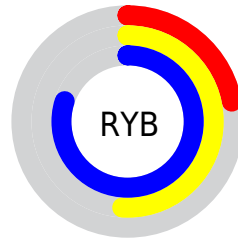
Distribution



Red (22%)

Green (80%)

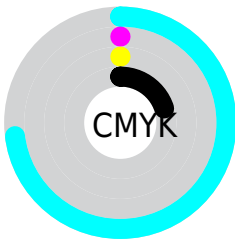
Blue (80%)



Red (22%)

Yellow (51%)

Blue (80%)

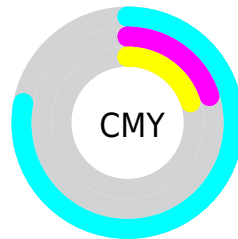


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (78%)


Magenta (20%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7110, 47.8359, 63.9564 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 33.7110, 47.8359, 63.9564 by changing the saturation by 10% instead.


 33.7110, 47.8359,
63.9564


 33.7110, 47.8359,
63.9564


310.4501,
378.1413, 457.2353


 22.8335, 33.6970,
46.1694

 64.8313, 86.9600,
112.1470


 14.5906, 22.6609,
32.0299


 85.8048, 112.7140,
143.3877


 8.6170, 14.3433,
21.1193


 110.8743,
143.1084, 179.9500

 4.5473, 8.3598,
13.0192

 140.4053,
178.5277, 222.2526

 2.0162, 4.3260,
7.3109

 174.7629,
219.3562, 270.7138

 0.6430, 1.8576,
3.5759

214.3128,

 0.0000, 0.5227,

265.9784, 325.7523

1.3957

259.4200,
318.7786, 387.7866

■ 0.0000, 0.0000,
0.1383

■ 0.0000, 0.0000,
0.0000

■ 33.7110, 47.8359,
63.9564

■ 33.7110, 47.8359,
63.9564

■ 32.8196, 47.3774,
63.9156

■ 35.0624, 48.5336,
64.0209


■ 32.3238, 47.1218,
63.8923


■ 36.9194, 49.4910,
64.1079


■ 32.1362, 47.0251,
63.8834


■ 39.3271, 50.7322,
64.2207


■ 42.3242, 52.2772,
64.3611

 45.9461, 54.1444,
64.5308

 50.2253, 56.3503,
64.7312

 55.1920, 58.9108,
64.9638

 60.8748, 61.8404,
65.2298

 67.3003, 65.1528,
65.5307

Harmonies

Analogous

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



33.5490, 47.8359, 43.6367



33.7110, 47.8359, 63.9564



36.8049, 47.8359, 85.5734

Triad

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



33.7110, 47.8359, 63.9564



56.0102, 47.8359, 83.4335



48.6644, 47.8359, 22.7831

Complementary

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



33.7110, 47.8359, 63.9564



26.6860, 15.7063, 5.2411

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.



55.3906, 47.8359, 28.7201



33.7110, 47.8359, 63.9564



59.9172, 47.8359, 61.5592

Square

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



33.7110, 47.8359, 63.9564



49.4420, 47.8359, 98.6519



59.6794, 47.8359, 41.7821



41.7102, 47.8359, 23.1116

Rectangle

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



33.7110, 47.8359, 63.9564



40.3140, 47.8359, 96.2846



59.6794, 47.8359, 41.7821



51.0405, 47.8359, 24.0305

Sweetspot

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



33.7124, 47.8377, 63.9575



77.3366, 90.8684, 108.0705



23.7612, 43.8732, 10.8318



16.1696, 19.2518, 23.1136



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.



33.7124, 47.8377, 63.9575



54.4416, 79.0657, 106.9975



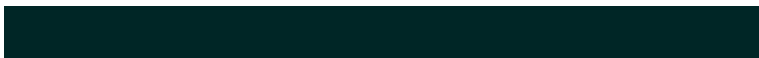
20.5360, 21.4845, 59.5664



11.5433, 12.7271, 14.4185



20.4507, 29.9256, 40.6537



1.0550, 1.5438, 2.0973

Inverse Universe

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



26.6860, 15.7063, 5.2411



42.0647, 22.4667, 3.5695



32.8494, 28.0332, 7.2954



11.2124, 11.2137, 11.6530



15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 33.7110, 47.8359, 63.9564 looks on a white background.

Color Contrast Check

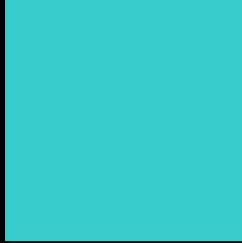
Large Text (above 18pt) WCAG AA × Fail

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 33.7110, 47.8359, 63.9564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

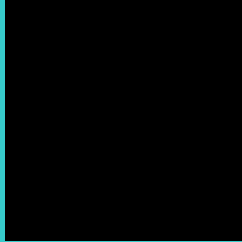
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

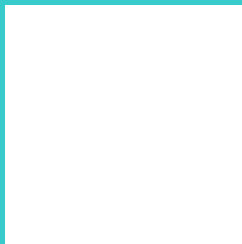
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7110, 47.8359, 63.9564

Background



This preview shows how black text looks on a background with the XYZ color 33.7110, 47.8359, 63.9564.

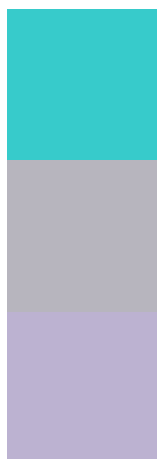


This preview shows how white text looks on a background with the XYZ color 33.7110, 47.8359,

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

33.7110, 47.8359, 63.9564

Protanopia

45.3466, 46.8327, 55.3648

Deuteranopia

48.1681, 47.1356, 66.8810



Tritanopia

35.5254, 47.8730, 73.0137

Trichromacy



Original Color

33.7110, 47.8359, 63.9564



Protanomaly

38.2013, 45.5696, 58.4121



Deuteranomaly

39.8480, 45.6211, 65.7370



Tritanomaly

34.9287, 47.9866, 69.7088

Monochromacy



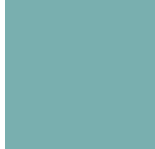
Original Color

33.7110, 47.8359, 63.9564



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.9530, 37.8200, 46.2260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7110, 47.8359, 63.9564 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(55, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(55, 203, 203)  
}
```

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(55, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 203, 203) }
```

Border

The CSS property to change the border of an element to XYZ 33.7110, 47.8359, 63.9564 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(55, 203, 203) }
```


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

```
.border{ border-color:rgb(55, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(55, 203,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7110, 47.8359, 63.9564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 203, 203) }
```

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

```
.background{ background-color: rgb(55, 203,  
203) }
```

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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