

# Converting Colors

XYZ(33.1504, 42.6529, 43.5314)

Have a look what the booklet for  
XYZ(33.1504, 42.6529, 43.5314)  
contains.

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# Color

**XYZ(33.1504, 42.6529,  
43.5314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CBBA8
RGB	124, 187, 168
RGB Percent	49%, 73%, 66%
CMY	0.5137, 0.2667, 0.3412
CMYK	0.34, 0.00, 0.10, 0.27
HSL	162°, 32%, 61%
HSV	162°, 34%, 73%
XYZ	33.1504, 42.6529, 43.5314
YIQ	165.9970, -31.4490, -19.2650

# Conversions

## Conversions Part 2

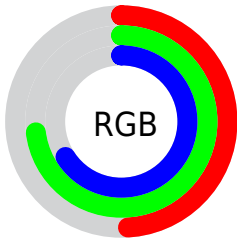
Format	Color
<a href="#">RYB</a>	124, 161, 187
Decimal	8174504
CIELab	71.32, -24.42, 3.21
CIElCh	71, 24.630, 172.504
Yxy	42.6529, 0.2778, 0.3574
Android (android.graphics.Color)	4286364584 (0xFF7CBBA8)
YUV	165.9970, 0.9875, -36.8314
Hunter-Lab	65.3092, -23.6860, 6.1971

# Details

The XYZ color **33.1504, 42.6529, 43.5314** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6606, 26.9644, 29.4716**, and the grayscale version is **36.2513, 38.1392, 41.5336**.

A 20% lighter version of the original color is **63.7300, 78.8939, 81.6812**, and **14.3500, 19.6889, 19.5670** is the 20% darker color. If you saturate the color by 10%, you get **30.1860, 41.1852, 40.7095**, and if you desaturate by 10%, it is **36.6524, 44.3973, 46.4993**.

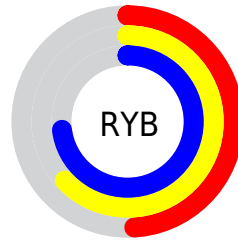
# Distribution



Red (49%)

Green (73%)

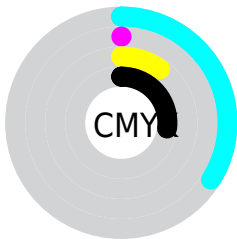
Blue (66%)



Red (49%)

Yellow (63%)

Blue (73%)

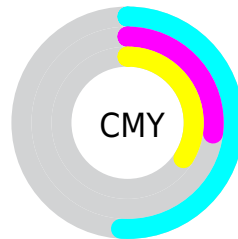


Cyan (34%)

Magenta (0%)

Yellow (10%)

Black (27%)



Cyan (51%)

Magenta (27%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1504, 42.6529, 43.5314 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 33.1504, 42.6529, 43.5314 by changing the saturation by 10% instead.





 33.1504, 42.6529,  
43.5314


 33.1504, 42.6529,  
43.5314


307.9799,  
357.1824, 376.7778


 22.4015, 29.6129,  
29.9678

 63.9634, 79.1868,  
81.8071

 14.2704, 19.5449,  
19.5623


 84.7581, 103.4495,  
107.3563

 8.3920, 12.0647,  
11.8964


 109.6322,  
132.2218, 137.7377

 4.4007, 6.7877,  
6.5515

138.9510,  
165.8882, 173.3699

 1.9312, 3.3297,  
3.1091

173.0798,  
204.8331, 214.6715

 0.5949, 1.3062,  
1.1506

212.3840,

 0.0000, 0.1460,

249.4408, 262.0610

0.0000

257.2289,  
300.0958, 315.9569

■ 0.0000, 0.0000,  
0.0000

■ 33.1504, 42.6529,  
43.5314

■ 33.1504, 42.6529,  
43.5314

■ 30.1860, 41.1852,  
40.7095

■ 36.6524, 44.3973,  
46.4993

■ 27.7264, 39.9741,  
38.0279

■ 40.7156, 46.4273,  
49.6130

■ 25.7405, 39.0046,  
35.4844

■ 45.3663, 48.7574,  
52.8760

■ 24.1923, 38.2581,  
33.0758

■ 50.6281, 51.3998,  
56.2910

■ 23.0401, 37.7133,  
30.7987

■ 56.5233, 54.3660,  
59.8604

■ 22.2341, 37.3446,  
28.6490

■ 63.0732, 57.6669,  
63.5864

■ 21.8408, 37.1701,  
27.3544

■ 70.2978, 61.3128,  
67.4714

■ 71.0371, 61.6126,  
71.1817

■ 71.7663, 61.9042,  
75.0215

# Harmonies

## Analogous

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



34.5480, 42.6529, 33.9032



33.1504, 42.6529, 43.5314



33.6231, 42.6529, 55.7238

# Triad

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



33.1504, 42.6529, 43.5314



43.6635, 42.6529, 70.8424



45.5803, 42.6529, 30.6032

# Complementary

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



33.1504, 42.6529, 43.5314



32.6606, 26.9644, 29.4716

# 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.



48.3465, 42.6529, 38.2524



33.1504, 42.6529, 43.5314



47.1883, 42.6529, 61.7436

# Square

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



33.1504, 42.6529, 43.5314



39.5109, 42.6529, 72.9041



48.9541, 42.6529, 49.4790



41.5874, 42.6529, 27.3105



# Rectangle

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



33.1504, 42.6529, 43.5314



34.9514, 42.6529, 63.6071



48.9541, 42.6529, 49.4790



46.6953, 42.6529, 32.6810

# Sweetspot

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



33.1516, 42.6546, 43.5324



75.7347, 84.5574, 90.8839



32.9026, 42.9225, 25.6202



16.4263, 18.4949, 19.8343



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1516, 42.6546, 43.5324



55.5786, 74.5101, 74.4190



32.7009, 38.7100, 52.7640



9.6827, 10.7592, 11.5784



15.0810, 25.6227, 19.0213



0.6184, 1.0147, 0.8909



# Inverse Universe

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



32.6606, 26.9644, 29.4716



54.5791, 42.3580, 45.6390



32.8739, 29.5031, 23.0315



9.6454, 9.5825, 10.5219



14.6473, 7.4901, 3.4361



0.6037, 0.3054, 0.2922



# Previews

## White Background



This preview shows how the XYZ color 33.1504, 42.6529, 43.5314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

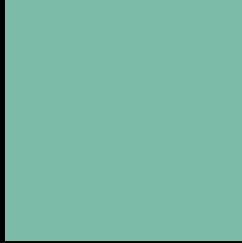
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.1504, 42.6529, 43.5314 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 33.1504, 42.6529, 43.5314**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.1504, 42.6529, 43.5314.



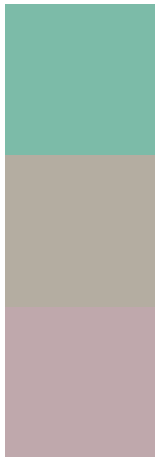
This preview shows how white text looks on a background with the XYZ color 33.1504, 42.6529,



# 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

33.1504, 42.6529, 43.5314

### Protanopia

40.1990, 42.1636, 39.7379

### Deuteranopia

42.9349, 42.0602, 44.8852



## Tritanopia

36.3716, 42.7235, 59.1528

# Trichromacy



## Original Color

33.1504, 42.6529, 43.5314

## Protanomaly

37.1184, 41.9947, 41.2714

## Deuteranomaly

38.6170, 41.8157, 44.5640

## Tritanomaly

34.9055, 42.4153, 52.8016

# Monochromacy



## Original Color

33.1504, 42.6529, 43.5314

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

34.8736, 39.6414, 42.3727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.1504, 42.6529, 43.5314 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(124, 187, 168)` looks like.

```
.text, #text, p{  
    color:rgb(124, 187, 168)  
}
```

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(124, 187, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 187, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 33.1504, 42.6529, 43.5314 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(124, 187, 168) }
```



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

```
.border{ border-color:rgb(124, 187, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 187, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 187, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 187, 168);  
box-shadow:4px 4px 4px 4px rgb(124, 187,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.1504, 42.6529, 43.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 187, 168) }
```

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

```
.background{ background-color: rgb(124,  
187, 168) }
```

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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