

Converting Colors

XYZ(33.0470, 47.4886, 63.9239)

Have a look what the booklet for
XYZ(33.0470, 47.4886, 63.9239)
contains.

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Color

**XYZ(33.0499, 47.4951,
63.9255)**

Conversions

Conversions Part 1

Format	Color
Hex	29CBCB
RGB	41, 203, 203
RGB Percent	16%, 80%, 80%
CMY	0.8392, 0.2039, 0.2039
CMYK	0.80, 0.00, 0.00, 0.20
HSL	180°, 66%, 48%
HSV	180°, 80%, 80%
XYZ	33.0499, 47.4951, 63.9255
YIQ	154.5620, -96.5520, -34.3440

Conversions

Conversions Part 2

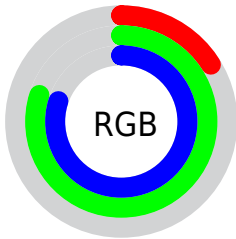
Format	Color
R _Y B	41, 122, 203
Decimal	2739147
CIE Lab	74.51, -38.51, -11.43
CIE LCh	75, 40.170, 196.525
Yxy	47.4951, 0.2288, 0.3288
Android (android.graphics.Color)	4280929227 (0xFF29CBCB)
YUV	154.5620, 23.8799, -99.5939
Hunter-Lab	68.9167, -35.0022, -6.7543

Details

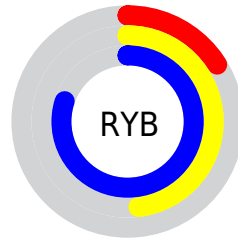
The XYZ color **33.0499, 47.4951, 63.9255** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **25.8234, 14.4440, 3.5262**, and the grayscale version is **30.8933, 32.5022, 35.3948**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **16.0147, 23.3497, 32.0967** is the 20% darker color. If you saturate the color by 10%, you get **32.4395, 47.1815, 63.8979**, and if you desaturate by 10%, it is **34.0802, 48.0273, 63.9749**.

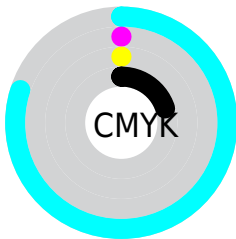
Distribution



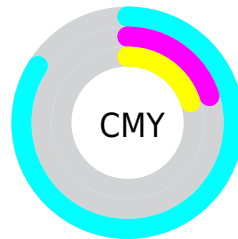
- Red (16%)
- Green (80%)
- Blue (80%)



- Red (16%)
- Yellow (48%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0499, 47.4951, 63.9255 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 33.0499, 47.4951, 63.9255 by changing the saturation by 10% instead.

33.0499, 47.4951,
63.9255

33.0499, 47.4951,
63.9255

307.5355,
376.7873, 457.1206

22.3241, 33.4272,
46.1445

63.8076, 86.4522,
112.1021

14.2132, 22.4539,
32.0104

84.5702, 112.1102,
143.3348

8.3518, 14.1908,
21.1046

109.4091,
142.4003, 179.8884

4.3745, 8.2535,
13.0085

138.6896,
177.7070, 222.1817

1.9161, 4.2576,
7.3036

172.7772,
218.4147, 270.6329

0.5862, 1.8187,
3.5714

212.0371,

0.0000, 0.4988,

264.9077, 325.6608

1.3933

256.8348,
317.5704, 387.6839

■ 0.0000, 0.0000,
0.1365

■ 0.0000, 0.0000,
0.0000

■ 33.0499, 47.4951,
63.9255

■ 33.0499, 47.4951,
63.9255

■ 32.4395, 47.1815,
63.8979

■ 34.0802, 48.0273,
63.9749

■ 32.1414, 47.0278,
63.8838

■ 35.5826, 48.8018,
64.0453

■ 32.1363, 47.0251,
63.8836

■ 37.6063, 49.8450,
64.1402

■ 40.1930, 51.1785,
64.2614

■ 43.3805, 52.8217,
64.4106

■ 47.2031, 54.7924,
64.5897

■ 51.6926, 57.1068,
64.7999

■ 56.8788, 59.7804,
65.0427

■ 62.7894, 62.8274,
65.3195

Harmonies

Analogous

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



32.8941, 47.4951, 42.9547



33.0499, 47.4951, 63.9255



36.2116, 47.4951, 86.4467

Triad

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



33.0499, 47.4951, 63.9255



56.0372, 47.4951, 84.3473



48.4708, 47.4951, 21.7873

Complementary

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



33.0499, 47.4951, 63.9255



25.8234, 14.4440, 3.5262

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.



55.4333, 47.4951, 27.8093



33.0499, 47.4951, 63.9255



60.1071, 47.4951, 61.5901

Square

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



33.0499, 47.4951, 63.9255



49.2263, 47.4951, 100.2288



59.8750, 47.4951, 41.1661



41.2913, 47.4951, 22.0979

Rectangle

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



33.0499, 47.4951, 63.9255



39.8123, 47.4951, 97.6765



59.8750, 47.4951, 41.1661



50.9287, 47.4951, 23.0508

Sweetspot

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



33.0513, 47.4969, 63.9266



76.0067, 90.1828, 108.0083



22.7836, 43.4027, 9.2759



15.7852, 19.0537, 23.0956



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.



33.0513, 47.4969, 63.9266



53.9373, 78.8057, 106.9740



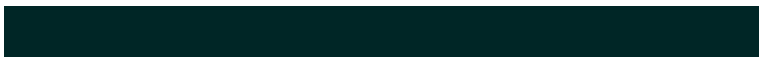
18.9916, 19.3772, 59.2410



11.5433, 12.7271, 14.4185



20.4507, 29.9256, 40.6539



1.0550, 1.5438, 2.0973

Inverse Universe

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



25.8234, 14.4440, 3.5262



41.4066, 21.5038, 2.2612



31.6636, 26.1244, 5.4728



11.2124, 11.2137, 11.6530



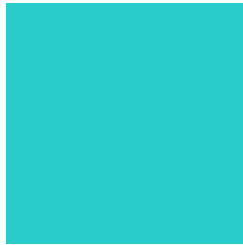
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 33.0499, 47.4951, 63.9255 looks on a white background.

Color Contrast Check

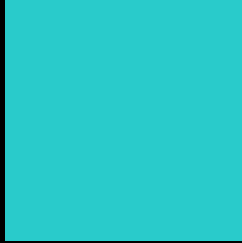
Large Text (above 18pt) WCAG AA × Fail

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 33.0499, 47.4951, 63.9255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

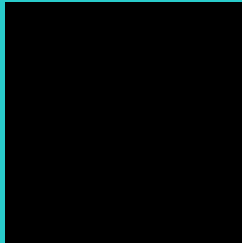
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

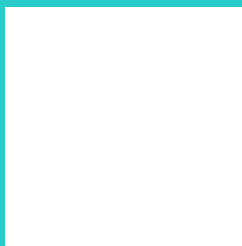
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0499, 47.4951, 63.9255

Background



This preview shows how black text looks on a background with the XYZ color 33.0499, 47.4951, 63.9255.

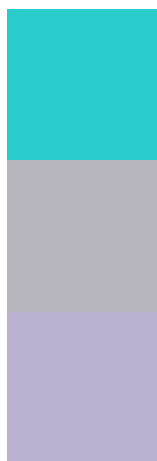


This preview shows how white text looks on a background with the XYZ color 33.0499, 47.4951,

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

33.0499, 47.4951, 63.9255

Protanopia

45.2376, 46.7891, 54.7910

Deuteranopia

47.7243, 46.6125, 66.8034



Tritanopia

34.8792, 47.5399, 72.9834

Trichromacy



Original Color

33.0499, 47.4951, 63.9255



Protanomaly

37.2953, 45.1155, 57.7814



Deuteranomaly

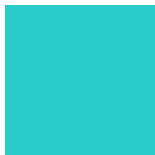
38.6529, 44.6911, 65.6205



Tritanomaly

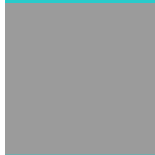
34.2708, 47.6475, 69.6780

Monochromacy



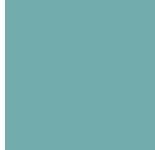
Original Color

33.0499, 47.4951, 63.9255



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.1383, 36.0610, 44.4544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0499, 47.4951, 63.9255 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(41, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(41, 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(41, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 203, 203) }
```

Border

The CSS property to change the border of an element to XYZ 33.0499, 47.4951, 63.9255 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(41, 203, 203) }
```


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

```
.border{ border-color:rgb(41, 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(41, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(41, 203,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0499, 47.4951, 63.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 203, 203) }
```

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

```
.background{ background-color: rgb(41, 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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