

Converting Colors

XYZ(34.0092, 44.0427, 44.5112)

Have a look what the booklet for
XYZ(34.0092, 44.0427, 44.5112)
contains.

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Color

**XYZ(33.9813, 44.0143,
44.7348)**

Conversions

Conversions Part 1

Format	Color
Hex	7CBEAA
RGB	124, 190, 170
RGB Percent	49%, 75%, 67%
CMY	0.5137, 0.2549, 0.3333
CMYK	0.35, 0.00, 0.11, 0.25
HSL	162°, 34%, 62%
HSV	162°, 35%, 75%
XYZ	33.9813, 44.0143, 44.7348
YIQ	167.9860, -32.9160, -20.2120

Conversions

Conversions Part 2

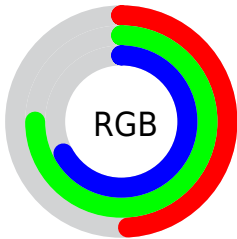
Format	Color
RYB	124, 163, 190
Decimal	8175274
CIELab	72.24, -25.47, 3.45
CIELCh	72, 25.698, 172.279
Yxy	44.0143, 0.2769, 0.3586
Android (android.graphics.Color)	4286365354 (0xFF7CBEEA)
YUV	167.9860, 0.9929, -38.5757
Hunter-Lab	66.3433, -24.6723, 6.4615

Details

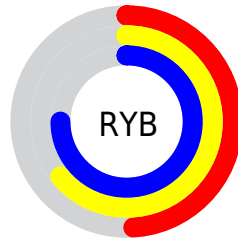
The XYZ color **33.9813, 44.0143, 44.7348** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.4784, 27.3771, 29.9070**, and the grayscale version is **37.2204, 39.1587, 42.6439**.

A 20% lighter version of the original color is **65.4418, 81.5415, 83.5241**, and **14.6727, 20.2559, 20.2760** is the 20% darker color. If you saturate the color by 10%, you get **30.9630, 42.5210, 41.8127**, and if you desaturate by 10%, it is **37.5550, 45.7934, 47.8094**.

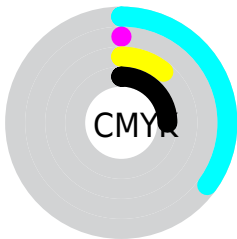
Distribution



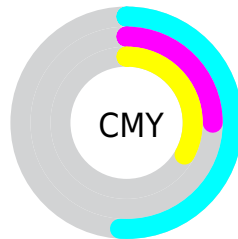
- Red (49%)
- Green (75%)
- Blue (67%)



- Red (49%)
- Yellow (64%)
- Blue (75%)



- Cyan (35%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)





- Cyan (51%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9813, 44.0143, 44.7348 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 33.9813, 44.0143, 44.7348 by changing the saturation by 10% instead.


 33.9813, 44.0143,
44.7348


 33.9813, 44.0143,
44.7348


311.6360,
362.7666, 381.8272


 23.0421, 30.6818,
30.9072


 65.2491, 81.2393,
83.6365

 14.7454, 20.3566,
20.2703

 86.3083, 105.9005,
109.5477

 8.7261, 12.6545,
12.4057


 111.4716,
135.1067, 140.3238

 4.6186, 7.1911,
6.8947

141.1043,
169.2423, 176.3834

 2.0577, 3.5819,
3.3189

175.5717,
208.6917, 218.1450

 0.6661, 1.4425,
1.2597

215.2392,

 0.0000, 0.2478,

253.8393, 266.0271

0.0284

260.4722,
305.0695, 320.4483

■ 0.0000, 0.0000,
0.0000

■ 33.9813, 44.0143,
44.7348

■ 33.9813, 44.0143,
44.7348

■ 30.9630, 42.5210,
41.8127

■ 37.5550, 45.7934,
47.8094

■ 28.4655, 41.2924,
39.0370

■ 41.7088, 47.8677,
51.0362

■ 26.4563, 40.3127,
36.4056

■ 46.4702, 50.2523,
54.4192

■ 24.8972, 39.5625,
33.9150

■ 51.8640, 52.9601,
57.9609

■ 23.7444, 39.0191,
31.5615

■ 57.9135, 56.0031,
61.6638

■ 22.9445, 38.6551,
29.3409

■ 64.6408, 59.3925,
65.5305

■ 22.6081, 38.5061,
28.2223

■ 71.3256, 62.7571,
69.5287

■ 72.0576, 63.0499,
73.3831

■ 72.8156, 63.3531,
77.3750

Harmonies

Analogous

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



35.4788, 44.0143, 34.5483



33.9813, 44.0143, 44.7348



34.4678, 44.0143, 57.7335

Triad

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



33.9813, 44.0143, 44.7348



45.1322, 44.0143, 74.0927



47.2399, 44.0143, 31.1664

Complementary

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



33.9813, 44.0143, 44.7348



33.4784, 27.3771, 29.9070

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.



50.1820, 44.0143, 39.2939



33.9813, 44.0143, 44.7348



48.9068, 44.0143, 64.3711

Square

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



33.9813, 44.0143, 44.7348



40.7053, 44.0143, 76.2428



50.8125, 44.0143, 51.2615



42.9839, 44.0143, 27.6619

Rectangle

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



33.9813, 44.0143, 44.7348



35.8686, 44.0143, 66.1892



50.8125, 44.0143, 51.2615



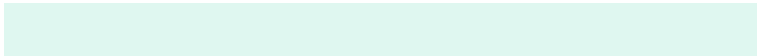
48.4273, 44.0143, 33.3723

Sweetspot

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



33.9825, 44.0161, 44.7358



79.3873, 88.6453, 95.2504



33.7123, 44.2947, 25.8423



17.1671, 19.3327, 20.7255



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.9825, 44.0161, 44.7358



57.1533, 77.5678, 76.8350



33.5083, 39.8054, 54.6345



9.6821, 10.7589, 11.5753



15.0686, 25.6177, 18.9557



0.6180, 1.0146, 0.8887

Inverse Universe

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



33.4784, 27.3771, 29.9070



56.1061, 42.7151, 45.8177



33.6929, 30.0400, 23.0919



9.6460, 9.5827, 10.5248



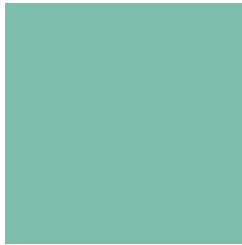
14.6519, 7.4919, 3.4608



0.6039, 0.3055, 0.2934

Previews

White Background



This preview shows how the XYZ color 33.9813, 44.0143, 44.7348 looks on a white background.

Color Contrast Check

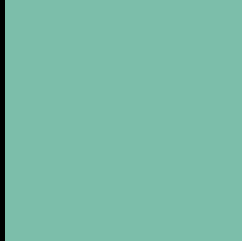
Large Text (above 18pt) WCAG AA × Fail

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 33.9813, 44.0143, 44.7348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

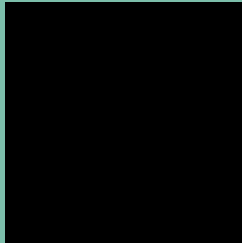
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9813, 44.0143, 44.7348

Background



This preview shows how black text looks on a background with the XYZ color 33.9813, 44.0143, 44.7348.



This preview shows how white text looks on a background with the XYZ color 33.9813, 44.0143,

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

33.9813, 44.0143, 44.7348

Protanopia

41.5754, 43.7266, 40.4312

Deuteranopia

44.4510, 43.6511, 46.1271



Tritanopia

37.3443, 44.1132, 61.1900

Trichromacy



Original Color

33.9813, 44.0143, 44.7348

Protanomaly

38.2157, 43.4457, 41.9690

Deuteranomaly

39.8254, 43.2929, 45.7925

Tritanomaly

35.8577, 43.8040, 54.7092

Monochromacy



Original Color

33.9813, 44.0143, 44.7348

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.6357, 40.5906, 43.4927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9813, 44.0143, 44.7348 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, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(124, 190, 170)  
}
```

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, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 190, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.9813, 44.0143, 44.7348 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, 190, 170) }
```


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

```
.border{ border-color:rgb(124, 190, 170) }
```

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

Here you see how a box with a 4 pixel rgb(124, 190, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(124, 190,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9813, 44.0143, 44.7348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 190, 170) }
```

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

```
.background{ background-color: rgb(124,  
190, 170) }
```

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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