

Converting Colors

XYZ(32.8588, 42.0524, 44.2827)

Have a look what the booklet for
XYZ(32.8588, 42.0524, 44.2827)
contains.

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Color

**XYZ(32.9830, 42.2310,
44.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBAAA
RGB	123, 186, 170
RGB Percent	48%, 73%, 67%
CMY	0.5176, 0.2706, 0.3333
CMYK	0.34, 0.00, 0.09, 0.27
HSL	165°, 31%, 61%
HSV	165°, 34%, 73%
XYZ	32.9830, 42.2310, 44.4432
YIQ	165.3390, -32.4120, -18.3320

Conversions

Conversions Part 2

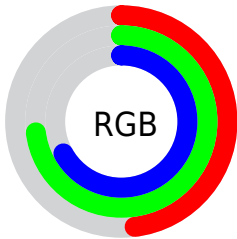
Format	Color
R_{YB}	123, 159, 186
Decimal	8108714
CIE _{Lab}	71.03, -23.77, 1.69
CIE _{LCh}	71, 23.828, 175.925
Yxy	42.2310, 0.2756, 0.3529
Android (android.graphics.Color)	4286298794 (0xFF7BBAAA)
YUV	165.3390, 2.2979, -37.1313
Hunter-Lab	64.9854, -23.1277, 4.9416

Details

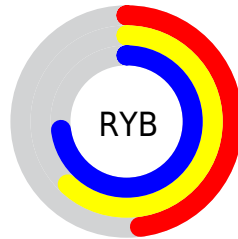
The XYZ color **32.9830, 42.2310, 44.4432** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.9943, 26.4703, 27.8509**, and the grayscale version is **35.9283, 37.7994, 41.1636**.

A 20% lighter version of the original color is **63.4742, 78.2876, 82.9997**, and **14.2561, 19.4227, 20.1371** is the 20% darker color. If you saturate the color by 10%, you get **30.1321, 40.8131, 42.0192**, and if you desaturate by 10%, it is **36.3579, 43.9193, 46.9774**.

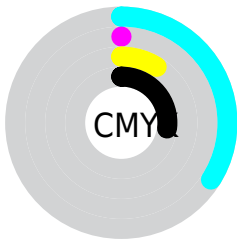
Distribution



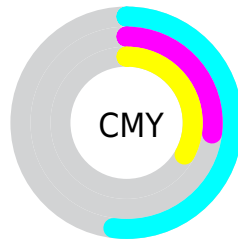
- Red (48%)
- Green (73%)
- Blue (67%)



- Red (48%)
- Yellow (62%)
- Blue (73%)



- Cyan (34%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)



- Cyan (52%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9830, 42.2310, 44.4432 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 32.9830, 42.2310, 44.4432 by changing the saturation by 10% instead.

■ 32.9830, 42.2310,
44.4432

■ 32.9830, 42.2310,
44.4432

307.2395,
355.4396, 380.6080

■ 22.2726, 29.2822,
30.6793

■ 63.7038, 78.5491,
83.1938

■ 14.1751, 19.2944,
20.0984

■ 84.4450, 102.6872,
109.0176

■ 8.3250, 11.8832,
12.2818

■ 109.2604,
131.3239, 139.6985

■ 4.3572, 6.6642,
6.8110

138.5155,
164.8436, 175.6550

■ 1.9061, 3.2530,
3.2675

172.5756,
203.6306, 217.3057

■ 0.5804, 1.2652,
1.2328

211.8061,

■ 0.0000, 0.1140,

248.0693, 265.0690

0.0058

256.5722,
298.5442, 319.3636

■ 0.0000, 0.0000,
0.0000

■ 32.9830, 42.2310,
44.4432

■ 32.9830, 42.2310,
44.4432

■ 30.1321, 40.8131,
42.0192

■ 36.3579, 43.9193,
46.9774

■ 27.7728, 39.6457,
39.7003

■ 40.2798, 45.8867,
49.6210

■ 25.8744, 38.7141,
37.4851

■ 44.7747, 48.1476,
52.3770

■ 24.4014, 38.0001,
35.3710

■ 49.8659, 50.7139,
55.2473

■ 23.3129, 37.4824,
33.3552

■ 55.5752, 53.5970,
58.2337

■ 22.5596, 37.1358,
31.4344

■ 61.9234, 56.8075,
61.3380

■ 22.2022, 36.9763,
30.3009

■ 68.9304, 60.3556,
64.5619

■ 70.1598, 60.9233,
67.6051

■ 70.7492, 61.1591,
70.7087

Harmonies

Analogous

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



34.1312, 42.2310, 34.7687



32.9830, 42.2310, 44.4432



33.6457, 42.2310, 56.2397

Triad

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



32.9830, 42.2310, 44.4432



43.5770, 42.2310, 68.6312



44.5791, 42.2310, 30.1198

Complementary

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



32.9830, 42.2310, 44.4432



31.9943, 26.4703, 27.8509

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.



47.4189, 42.2310, 37.0549



32.9830, 42.2310, 44.4432



46.8140, 42.2310, 59.3800

Square

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



32.9830, 42.2310, 44.4432



39.5982, 42.2310, 71.4764



48.2624, 42.2310, 47.5567



40.6853, 42.2310, 27.4104

Rectangle

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



32.9830, 42.2310, 44.4432



35.0504, 42.2310, 63.5837



48.2624, 42.2310, 47.5567



45.6984, 42.2310, 31.9719

Sweetspot

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



32.9842, 42.2327, 44.4442



75.9019, 84.6242, 91.7644



31.9169, 42.1077, 25.1851



16.4681, 18.5116, 20.0539



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.



32.9842, 42.2327, 44.4442



55.6690, 74.4973, 77.1062



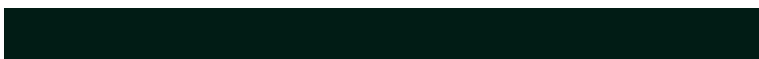
31.6523, 36.9970, 51.9291



9.1666, 10.1706, 11.0346



14.9678, 24.8881, 20.5504



0.5511, 0.8867, 0.8480

Inverse Universe

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



31.9943, 26.4703, 27.8509



53.5978, 41.3776, 42.2834



32.8717, 29.9614, 22.7904



9.0957, 9.0487, 9.8514



13.9981, 7.1730, 2.6107



0.5193, 0.2632, 0.2280

Previews

White Background



This preview shows how the XYZ color 32.9830, 42.2310, 44.4432 looks on a white background.

Color Contrast Check

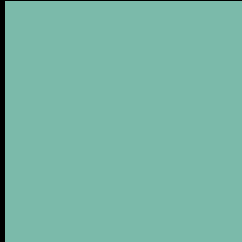
Large Text (above 18pt) WCAG AA × Fail

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 32.9830, 42.2310, 44.4432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

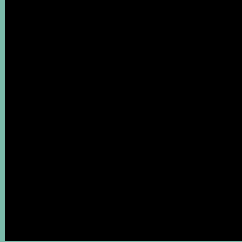
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9830, 42.2310, 44.4432

Background



This preview shows how black text looks on a background with the XYZ color 32.9830, 42.2310, 44.4432.

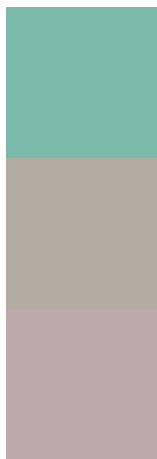


This preview shows how white text looks on a background with the XYZ color 32.9830, 42.2310,

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

32.9830, 42.2310, 44.4432

Protanopia

39.9538, 41.7331, 40.5998

Deuteranopia

42.6289, 41.8801, 45.8813



Tritanopia

35.8593, 42.1542, 59.0699

Trichromacy



Original Color

32.9830, 42.2310, 44.4432

Protanomaly

36.9032, 41.5684, 42.1549

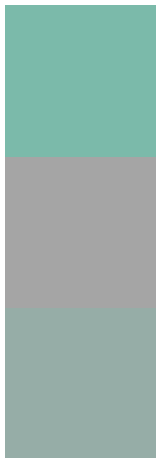
Deuteranomaly

38.3898, 41.6764, 45.5562

Tritanomaly

34.6555, 41.9669, 53.2876

Monochromacy



Original Color

32.9830, 42.2310, 44.4432

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4963, 39.1612, 42.2999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9830, 42.2310, 44.4432 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(123, 186, 170)` looks like.

```
.text, #text, p{  
    color:rgb(123, 186, 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(123, 186, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 186, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.9830, 42.2310, 44.4432 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(123, 186, 170) }
```


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

```
.border{ border-color:rgb(123, 186, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 186, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 186, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 186, 170);  
box-shadow:4px 4px 4px 4px rgb(123, 186,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9830, 42.2310, 44.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 186, 170) }
```

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

```
.background{ background-color: rgb(123,  
186, 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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