

Converting Colors

XYZ(32.9816, 40.1412, 42.0140)

Have a look what the booklet for
XYZ(32.9816, 40.1412, 42.0140)
contains.

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Color

**XYZ(32.9947, 40.1443,
42.0860)**

Conversions

Conversions Part 1

Format	Color
Hex	87B3A6
RGB	135, 179, 166
RGB Percent	53%, 70%, 65%
CMY	0.4706, 0.2980, 0.3490
CMYK	0.25, 0.00, 0.07, 0.30
HSL	162°, 22%, 62%
HSV	162°, 25%, 70%
XYZ	32.9947, 40.1443, 42.0860
YIQ	164.3620, -22.0510, -13.3710

Conversions

Conversions Part 2

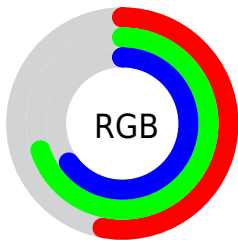
Format	Color
RYB	135, 161, 179
Decimal	8893350
CIELab	69.57, -17.44, 1.85
CIELCh	70, 17.541, 173.944
Yxy	40.1443, 0.2864, 0.3484
Android (android.graphics.Color)	4287083430 (0xFF87B3A6)
YUV	164.3620, 0.8075, -25.7505
Hunter-Lab	63.3595, -17.9247, 4.9688

Details

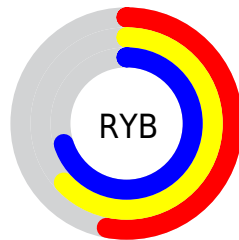
The XYZ color **32.9947, 40.1443, 42.0860** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6011, 29.0508, 31.9077**, and the grayscale version is **35.4638, 37.3106, 40.6313**.

A 20% lighter version of the original color is **63.7457, 75.4559, 79.6113**, and **14.1543, 18.0214, 18.6521** is the 20% darker color. If you saturate the color by 10%, you get **29.8782, 38.5937, 39.4597**, and if you desaturate by 10%, it is **36.6177, 41.9558, 44.8419**.

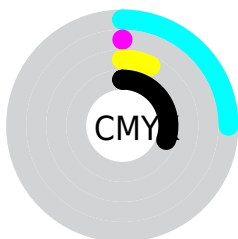
Distribution



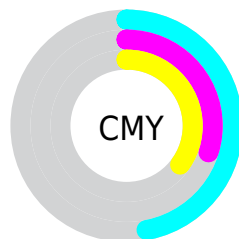
- Red (53%)
- Green (70%)
- Blue (65%)



- Red (53%)
- Yellow (63%)
- Blue (70%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)



- Cyan (47%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9947, 40.1443, 42.0860 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 32.9947, 40.1443, 42.0860 by changing the saturation by 10% instead.

■ 32.9947, 40.1443,
42.0860

■ 32.9947, 40.1443,
42.0860

307.2913,
346.7314, 370.6495

■ 22.2816, 27.6511,
28.8426

■ 63.7220, 75.3832,
79.6013

■ 14.1817, 18.0628,
18.7172

■ 84.4669, 98.8977,
104.7102

■ 8.3297, 10.9951,
11.2914

■ 109.2864,
126.8546, 134.6113

■ 4.3602, 6.0635,
6.1465

138.5460,
159.6386, 169.7232

■ 1.9079, 2.8838,
2.8642

172.6109,
197.6338, 210.4645

■ 0.5814, 1.0713,
1.0257

211.8465,

■ 0.0000, 0.0000,

241.2248, 257.2536

0.0000

256.6182,
290.7958, 310.5091

■ 32.9947, 40.1443,
42.0860

■ 32.9947, 40.1443,
42.0860

■ 29.8782, 38.5937,
39.4597

■ 36.6177, 41.9558,
44.8419

■ 27.2403, 37.2865,
36.9579

■ 40.7664, 44.0351,
47.7270

■ 25.0557, 36.2106,
34.5791

■ 45.4635, 46.3946,
50.7443

■ 23.2952, 35.3512,
32.3205

■ 50.7289, 49.0447,
53.8960

■ 21.9259, 34.6913,
30.1793

■ 56.5818, 51.9953,
57.1841

■ 20.9104, 34.2116,
28.1525

■ 63.0404, 55.2556,
60.6107

■ 20.2030, 33.8886,
26.2365

■ 68.1436, 57.8148,
64.0850

■ 19.8938, 33.7509,
25.2416

■ 68.7851, 58.0714,
67.4628

■ 69.4483, 58.3367,
70.9550

Harmonies

Analogous

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



33.9222, 40.1443, 35.1614



32.9947, 40.1443, 42.0860



33.3939, 40.1443, 50.3475

Triad

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



32.9947, 40.1443, 42.0860



40.4081, 40.1443, 59.5631



41.4505, 40.1443, 32.2793

Complementary

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



32.9947, 40.1443, 42.0860



32.6011, 29.0508, 31.9077

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.



43.3505, 40.1443, 37.6837



32.9947, 40.1443, 42.0860



42.7281, 40.1443, 53.5434

Square

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



32.9947, 40.1443, 42.0860



37.5845, 40.1443, 61.1184



43.8292, 40.1443, 45.3759



38.7332, 40.1443, 29.9679

Rectangle

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



32.9947, 40.1443, 42.0860



34.3691, 40.1443, 55.4462



43.8292, 40.1443, 45.3759



42.2112, 40.1443, 33.7596

Sweetspot

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



32.9958, 40.1460, 42.0869



71.0321, 77.8707, 84.1409



32.7435, 40.3058, 28.9763



15.6378, 17.2024, 18.5735



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.9958, 40.1460, 42.0869



56.2414, 70.4763, 73.0355



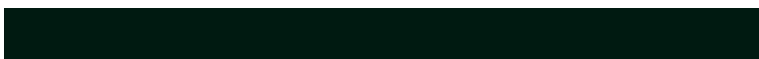
32.5419, 37.2316, 48.1211



8.6335, 9.5879, 10.3297



14.0868, 23.8607, 17.9917



0.4673, 0.7604, 0.6929

Inverse Universe

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



32.6011, 29.0508, 31.9077



55.4251, 47.4739, 51.9425



32.9079, 31.2201, 27.2139



8.5963, 8.5452, 9.3723



13.6146, 6.9634, 3.1305



0.4546, 0.2296, 0.2367

Previews

White Background



This preview shows how the XYZ color 32.9947, 40.1443, 42.0860 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 32.9947, 40.1443, 42.0860 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

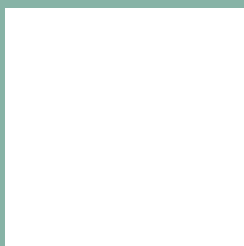
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9947, 40.1443, 42.0860

Background



This preview shows how black text looks on a background with the XYZ color 32.9947, 40.1443, 42.0860.

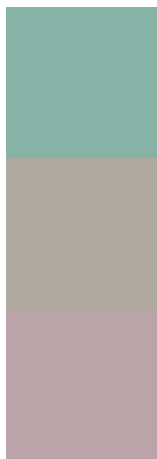


This preview shows how white text looks on a background with the XYZ color 32.9947, 40.1443,

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

32.9947, 40.1443, 42.0860

Protanopia

38.2123, 40.0280, 38.9699

Deuteranopia

40.6866, 39.8546, 43.0844



Tritanopia

35.6348, 40.3438, 54.6242

Trichromacy



Original Color

32.9947, 40.1443, 42.0860

Protanomaly

35.9624, 39.9694, 40.0019

Deuteranomaly

37.1922, 39.4186, 42.6941

Tritanomaly

34.5439, 40.1838, 49.6516

Monochromacy



Original Color

32.9947, 40.1443, 42.0860

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1164, 37.8649, 41.1078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9947, 40.1443, 42.0860 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(135, 179, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 179, 166)  
}
```

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(135, 179, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 179, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.9947, 40.1443, 42.0860 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(135, 179, 166) }
```


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

```
.border{ border-color:rgb(135, 179, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 179, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 179, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 179, 166);  
box-shadow:4px 4px 4px 4px rgb(135, 179,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9947, 40.1443, 42.0860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 179, 166) }
```

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

```
.background{ background-color: rgb(135,  
179, 166) }
```

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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