

Converting Colors

XYZ(34.5383, 44.1728, 42.5571)

Have a look what the booklet for
XYZ(34.5383, 44.1728, 42.5571)
contains.

XYZ(34.4406, 43.9737, 42.7489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.4406, 43.9737,
42.7489)**

Conversions

Conversions Part 1

Format	Color
Hex	83BDA6
RGB	131, 189, 166
RGB Percent	51%, 74%, 65%
CMY	0.4863, 0.2588, 0.3490
CMYK	0.31, 0.00, 0.12, 0.26
HSL	156°, 31%, 63%
HSV	156°, 31%, 74%
XYZ	34.4406, 43.9737, 42.7489
YIQ	169.0360, -27.1850, -19.4490

Conversions

Conversions Part 2

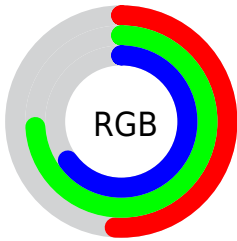
Format	Color
RYB	131, 167, 189
Decimal	8633766
CIELab	72.21, -23.76, 5.64
CIELCh	72, 24.417, 166.647
Yxy	43.9737, 0.2842, 0.3629
Android (android.graphics.Color)	4286823846 (0xFF83BDA6)
YUV	169.0360, -1.4967, -33.3576
Hunter-Lab	66.3127, -23.3402, 8.1972

Details

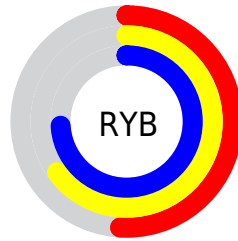
The XYZ color **34.4406, 43.9737, 42.7489** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.9368, 29.3856, 34.4043**, and the grayscale version is **37.7477, 39.7135, 43.2480**.

A 20% lighter version of the original color is **65.7111, 80.8396, 80.5469**, and **14.9257, 20.2051, 19.0329** is the 20% darker color. If you saturate the color by 10%, you get **31.1086, 42.3343, 39.1083**, and if you desaturate by 10%, it is **38.3491, 45.9080, 46.6276**.

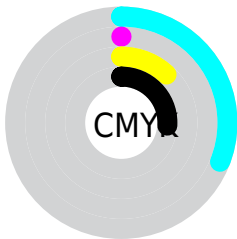
Distribution



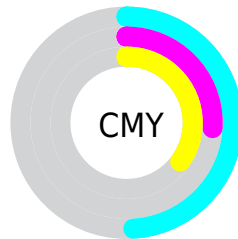
- Red (51%)
- Green (74%)
- Blue (65%)



- Red (51%)
- Yellow (65%)
- Blue (74%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (26%)





- Cyan (49%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4406, 43.9737, 42.7489 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 34.4406, 43.9737, 42.7489 by changing the saturation by 10% instead.


 34.4406, 43.9737,
42.7489


 34.4406, 43.9737,
42.7489


313.6437,
362.6009, 373.4689


 23.3968, 30.6498,
29.3582


 65.9580, 81.1782,
80.6141

 15.0091, 20.3324,
19.1041


 87.1623, 105.8276,
105.9257

 8.9121, 12.6369,
11.5679


 112.4841,
135.0209, 136.0480

 4.7405, 7.1790,
6.3312

142.2888,
169.1426, 171.3995

 2.1290, 3.5743,
2.9755

176.9418,
208.5771, 212.3988

 0.7049, 1.4384,
1.0821

216.8083,

 0.0000, 0.2448,

253.7087, 259.4645

0.0000

262.2539,
304.9219, 313.0150

■ 0.0000, 0.0000,
0.0000

■ 34.4406, 43.9737,
42.7489

■ 34.4406, 43.9737,
42.7489

■ 31.1086, 42.3343,
39.1083

■ 38.3491, 45.9080,
46.6276

■ 28.3197, 40.9692,
35.6978

■ 42.8580, 48.1459,
50.7462

■ 26.0427, 39.8635,
32.5134


■ 47.9941, 50.7024,
55.1102

■ 24.2413, 38.9985,
29.5496


■ 53.7818, 53.5899,
59.7240

■ 22.8744, 38.3533,
26.8006


■ 60.2437, 56.8201,
64.5918


 21.8934, 37.9028,
24.2603

 67.4017, 60.4042,
69.7179

 21.2385, 37.6129,
22.0747

 72.1549, 62.7434,
74.9603

 73.1612, 63.1459,
80.2591

 74.2124, 63.5664,
85.7947

Harmonies

Analogous

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



36.2099, 43.9737, 33.7295



34.4406, 43.9737, 42.7489



34.5460, 43.9737, 54.7944

Triad

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



34.4406, 43.9737, 42.7489



44.1450, 43.9737, 73.5467



47.5707, 43.9737, 32.9931

Complementary

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



34.4406, 43.9737, 42.7489



34.9368, 29.3856, 34.4043

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.



49.9947, 43.9737, 41.5730



34.4406, 43.9737, 42.7489



47.9283, 43.9737, 65.5198

Square

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



34.4406, 43.9737, 42.7489



39.9634, 43.9737, 74.0043



50.1298, 43.9737, 53.4058



43.6831, 43.9737, 28.7651

Rectangle

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



34.4406, 43.9737, 42.7489



35.6624, 43.9737, 63.0053



50.1298, 43.9737, 53.4058



48.5947, 43.9737, 35.3924

Sweetspot

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



34.4418, 43.9755, 42.7499



78.1013, 86.8948, 92.0605



35.6603, 44.9255, 28.2653



16.5220, 18.5504, 19.5581



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.



34.4418, 43.9755, 42.7499



57.4547, 76.6734, 72.0146



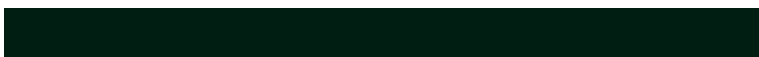
35.5216, 42.4508, 54.4679



9.6440, 10.7437, 11.3746



14.3277, 25.3214, 15.0546



0.5926, 1.0044, 0.7550

Inverse Universe

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



34.9368, 29.3856, 34.4043



58.4891, 46.2858, 54.6495



34.0016, 30.2931, 25.5284



9.6827, 9.5974, 10.7179



15.0091, 7.6348, 5.3413



0.6203, 0.3120, 0.3797

Previews

White Background



This preview shows how the XYZ color 34.4406, 43.9737, 42.7489 looks on a white background.

Color Contrast Check

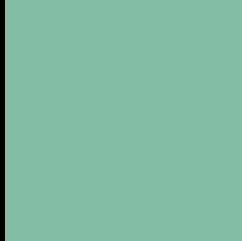
Large Text (above 18pt) WCAG AA × Fail

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 34.4406, 43.9737, 42.7489 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 34.4406, 43.9737, 42.7489

Background



This preview shows how black text looks on a background with the XYZ color 34.4406, 43.9737, 42.7489.



This preview shows how white text looks on a background with the XYZ color 34.4406, 43.9737,

42.7489.

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

34.4406, 43.9737, 42.7489

Protanopia

41.5505, 43.7442, 39.0544

Deuteranopia

44.3954, 43.3875, 44.0649



Tritanopia

37.9305, 43.8078, 60.4894

Trichromacy



Original Color

34.4406, 43.9737, 42.7489

Protanomaly

38.5625, 43.6557, 40.5764

Deuteranomaly

39.8968, 43.0795, 43.7485

Tritanomaly

36.5202, 43.8566, 53.5541

Monochromacy



Original Color

34.4406, 43.9737, 42.7489

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.1108, 40.8464, 43.0267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4406, 43.9737, 42.7489 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(131, 189, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 189, 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(131, 189, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 189, 166) }
```

Border

The CSS property to change the border of an element to XYZ 34.4406, 43.9737, 42.7489 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(131, 189, 166) }
```


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

```
.border{ border-color:rgb(131, 189, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 189, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 189, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 189, 166);  
box-shadow:4px 4px 4px 4px rgb(131, 189,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4406, 43.9737, 42.7489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 189, 166) }
```

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

```
.background{ background-color: rgb(131,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor