

Converting Colors

XYZ(36.9589, 44.6690, 41.3244)

Have a look what the booklet for
XYZ(36.9589, 44.6690, 41.3244)
contains.

XYZ(36.9589, 44.6690, 41.3244)	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(36.9589, 44.6690,
41.3244)**

Conversions

Conversions Part 1

Format	Color
Hex	96BBA3
RGB	150, 187, 163
RGB Percent	59%, 73%, 64%
CMY	0.4118, 0.2667, 0.3608
CMYK	0.20, 0.00, 0.13, 0.27
HSL	141°, 21%, 66%
HSV	141°, 20%, 73%
XYZ	36.9589, 44.6690, 41.3244
YIQ	173.2010, -14.3480, -15.3080

Conversions

Conversions Part 2

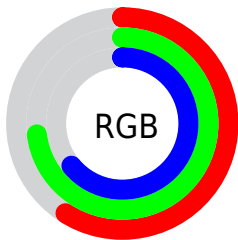
Format	Color
RYB	150, 177, 187
Decimal	9878435
CIELab	72.67, -17.27, 8.08
CIElCh	73, 19.063, 154.916
Yxy	44.6690, 0.3006, 0.3633
Android (android.graphics.Color)	4288068515 (0xFF96BBA3)
YUV	173.2010, -5.0291, -20.3473
Hunter-Lab	66.8349, -18.2526, 10.1250

Details

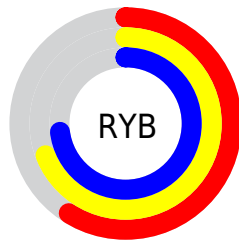
The XYZ color **36.9589, 44.6690, 41.3244** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0414, 35.4347, 44.8283**, and the grayscale version is **39.8541, 41.9297, 45.6614**.

A 20% lighter version of the original color is **69.8823, 82.1423, 78.5015**, and **16.5399, 20.8505, 18.1917** is the 20% darker color. If you saturate the color by 10%, you get **32.7534, 42.6219, 35.7239**, and if you desaturate by 10%, it is **41.8203, 47.0447, 47.5018**.

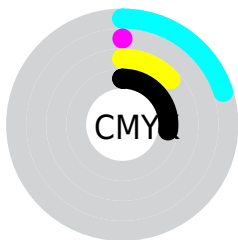
Distribution



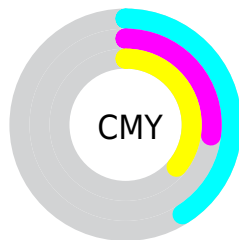
- Red (59%)
- Green (73%)
- Blue (64%)



- Red (59%)
- Yellow (69%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)



- Cyan (41%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9589, 44.6690, 41.3244 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 36.9589, 44.6690, 41.3244 by changing the saturation by 10% instead.

■ 36.9589, 44.6690,
41.3244

■ 36.9589, 44.6690,
41.3244

324.4912,
365.4313, 367.3913

■ 25.3492, 31.1968,
28.2510

■ 69.8238, 82.2235,
78.4351

■ 16.4675, 20.7487,
18.2743

■ 91.8097, 107.0746,
103.3095

■ 9.9485, 12.9405,
10.9756

117.9851,
136.4874, 132.9548

■ 5.4268, 7.3876,
5.9365

148.7153,
170.8463, 167.7893

■ 2.5371, 3.7056,
2.7383

184.3656,
210.5358, 208.2317

■ 0.9140, 1.5103,
0.9626

225.3015,

■ 0.0000, 0.2960,

255.9402, 254.7004

0.0000

271.8882,
307.4439, 307.6141

0.0000, 0.0000,
0.0000

36.9589, 44.6690,
41.3244

36.9589, 44.6690,
41.3244

32.7534, 42.6219,
35.7239

41.8203, 47.0447,
47.5018

29.1712, 40.8831,
30.6806

47.3610, 49.7570,
54.2690

26.1824, 39.4389,
26.1783

53.6078, 52.8206,
61.6423

23.7531, 38.2721,
22.1985

60.5848, 56.2477,
69.6363

21.8457, 37.3638,
18.7219

68.3150, 60.0498,
78.2652

■ 20.4179, 36.6925,
15.7280

■ 74.1201, 62.8459,
87.4165

■ 19.4200, 36.2331,
13.1945

■ 75.9412, 63.5743,
97.0060

■ 18.7583, 35.9377,
11.0958

■ 77.0611, 64.0223,
102.9037

■ 18.7457, 35.9321,
11.0555

Harmonies

Analogous

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



38.9232, 44.6690, 35.1916



36.9589, 44.6690, 41.3244



36.4365, 44.6690, 50.2129

Triad

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



36.9589, 44.6690, 41.3244



43.0033, 44.6690, 69.1091



47.8817, 44.6690, 38.9487

Complementary

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



36.9589, 44.6690, 41.3244



39.0414, 35.4347, 44.8283

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.



49.1057, 44.6690, 47.0943



36.9589, 44.6690, 41.3244



46.1975, 44.6690, 65.1330

Square

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



36.9589, 44.6690, 41.3244



39.8199, 44.6690, 67.0459



48.4740, 44.6690, 56.7649



45.2071, 44.6690, 33.9498

Rectangle

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



36.9589, 44.6690, 41.3244



36.9518, 44.6690, 56.7117



48.4740, 44.6690, 56.7649



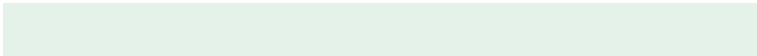
48.4826, 44.6690, 41.3676

Sweetspot

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



36.9601, 44.6709, 41.3254



78.4136, 85.9736, 89.4189



40.7437, 46.7491, 35.7309



17.1280, 18.8643, 19.5194



90.7827, 95.5105, 104.0109



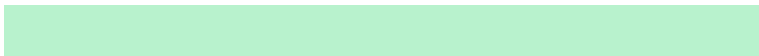
18.6292, 19.5994, 21.3438

Same Dimension

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



36.9601, 44.6709, 41.3254



62.5836, 78.2425, 69.2683



38.7362, 45.3813, 50.6783



9.5435, 10.7035, 10.8455



12.9466, 24.7689, 7.7818



0.5386, 0.9828, 0.4704

Inverse Universe

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



39.0414, 35.4347, 44.8283



67.0284, 58.5127, 76.7448



37.3639, 34.7637, 35.9947



9.7837, 9.6378, 11.2501



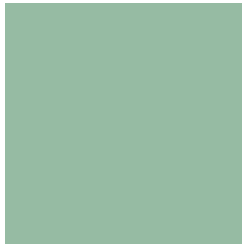
16.5461, 8.2496, 13.4355



0.6780, 0.3351, 0.6838

Previews

White Background



This preview shows how the XYZ color 36.9589, 44.6690, 41.3244 looks on a white background.

Color Contrast Check

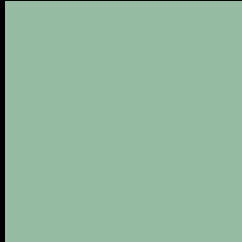
Large Text (above 18pt) WCAG AA × Fail

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 36.9589, 44.6690, 41.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

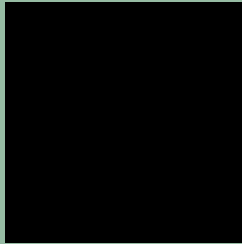
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9589, 44.6690, 41.3244

Background



This preview shows how black text looks on a background with the XYZ color 36.9589, 44.6690, 41.3244.



This preview shows how white text looks on a background with the XYZ color 36.9589, 44.6690,

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

36.9589, 44.6690, 41.3244

Protanopia

42.1434, 44.3520, 38.6873

Deuteranopia

45.1886, 44.4003, 42.2648



Tritanopia

40.5163, 44.5550, 59.2879

Trichromacy



Original Color

36.9589, 44.6690, 41.3244

Protanomaly

40.1026, 44.4700, 39.7276

Deuteranomaly

41.5697, 43.9847, 41.8962

Tritanomaly

39.2239, 44.6538, 52.4507

Monochromacy



Original Color

36.9589, 44.6690, 41.3244

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.5989, 42.7047, 43.7446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9589, 44.6690, 41.3244 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(150, 187, 163)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 163)  
}
```

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(150, 187, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 163) }
```

Border

The CSS property to change the border of an element to XYZ 36.9589, 44.6690, 41.3244 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(150, 187, 163) }
```


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

```
.border{ border-color:rgb(150, 187, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 187, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 163);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9589, 44.6690, 41.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 163) }
```

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

```
.background{ background-color: rgb(150,  
187, 163) }
```

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