

Converting Colors

XYZ(33.1837, 42.4094, 36.6132)

Have a look what the booklet for
XYZ(33.1837, 42.4094, 36.6132)
contains.

XYZ(33.3003, 42.5686, 36.5984)	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(33.3003, 42.5686,
36.5984)**

Conversions

Conversions Part 1

Format	Color
Hex	87BA99
RGB	135, 186, 153
RGB Percent	53%, 73%, 60%
CMY	0.4706, 0.2706, 0.4000
CMYK	0.27, 0.00, 0.18, 0.27
HSL	141°, 27%, 63%
HSV	141°, 27%, 73%
XYZ	33.3003, 42.5686, 36.5984
YIQ	166.9890, -19.8030, -21.0750

Conversions

Conversions Part 2

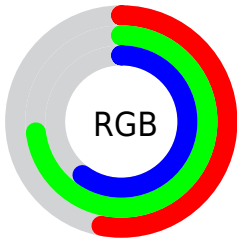
Format	Color
RYB	135, 173, 186
Decimal	8895129
CIELab	71.26, -23.64, 11.39
CIELCh	71, 26.243, 154.272
Yxy	42.5686, 0.2961, 0.3785
Android (android.graphics.Color)	4287085209 (0xFF87BA99)
YUV	166.9890, -6.8966, -28.0544
Hunter-Lab	65.2446, -23.0732, 12.4130

Details

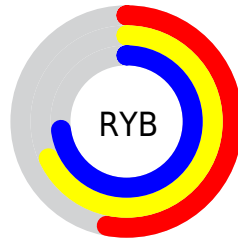
The XYZ color **33.3003, 42.5686, 36.5984** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.9830, 30.5951, 41.0564**, and the grayscale version is **36.7656, 38.6802, 42.1228**.

A 20% lighter version of the original color is **64.0009, 78.8281, 70.8736**, and **14.4420, 19.6192, 15.5961** is the 20% darker color. If you saturate the color by 10%, you get **29.6207, 40.7820, 31.4965**, and if you desaturate by 10%, it is **37.6053, 44.6684, 42.2549**.

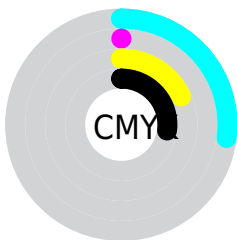
Distribution



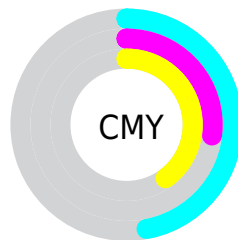
- Red (53%)
- Green (73%)
- Blue (60%)



- Red (53%)
- Yellow (68%)
- Blue (73%)



- Cyan (27%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (47%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3003, 42.5686, 36.5984 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 33.3003, 42.5686, 36.5984 by changing the saturation by 10% instead.

■ 33.3003, 42.5686,
36.5984

■ 33.3003, 42.5686,
36.5984

308.6418,
356.8346, 346.6847

■ 22.5169, 29.5468,
24.6034

■ 64.1956, 79.0595,
71.1341

■ 14.3559, 19.4948,
15.5655

■ 85.0383, 103.2973,
94.5118

■ 8.4520, 12.0284,
9.0662

■ 109.9648,
132.0426, 122.5209

■ 4.4397, 6.7630,
4.6870

139.3404,
165.6797, 155.5798

■ 1.9538, 3.3143,
2.0093

173.5306,
204.5931, 194.1071

■ 0.6078, 1.2980,
0.5610

212.9007,

■ 0.0000, 0.1396,

249.1671, 238.5213

0.0000

257.8160,
299.7861, 289.2410

■ 0.0000, 0.0000,
0.0000

■ 33.3003, 42.5686,
36.5984

■ 33.3003, 42.5686,
36.5984

■ 29.6207, 40.7820,
31.4965

■ 37.6053, 44.6684,
42.2549

■ 26.5330, 39.2881,
26.9294

■ 42.5604, 47.0902,
48.4793

■ 24.0055, 38.0722,
22.8804

■ 48.1930, 49.8490,
55.2878

■ 22.0022, 37.1159,
19.3309

■ 54.5279, 52.9574,
62.6954

■ 20.4825, 36.3988,
16.2609

■ 61.5887, 56.4272,
70.7163

■ 19.3995, 35.8972,
13.6491

■ 69.3979, 60.2696,
79.3643

■ 18.6862, 35.5770,
11.4720

■ 74.1226, 62.5086,
88.4725

■ 18.5327, 35.5086,
10.9768

■ 75.9435, 63.2369,
98.0612

■ 76.8497, 63.5994,
102.8332

Harmonies

Analogous

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



35.8760, 42.5686, 29.0572



33.3003, 42.5686, 36.5984



32.5888, 42.5686, 48.1804

Triad

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



33.3003, 42.5686, 36.5984



41.0944, 42.5686, 74.9880



47.8699, 42.5686, 33.9894

Complementary

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



33.3003, 42.5686, 36.5984



35.9830, 30.5951, 41.0564

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.



49.5068, 42.5686, 44.5665



33.3003, 42.5686, 36.5984



45.4191, 42.5686, 69.4209

Square

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



33.3003, 42.5686, 36.5984



36.8941, 42.5686, 71.8132



48.5791, 42.5686, 57.6960



44.2490, 42.5686, 27.7536

Rectangle

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



33.3003, 42.5686, 36.5984



33.2205, 42.5686, 57.0523



48.5791, 42.5686, 57.6960



48.6819, 42.5686, 37.0774

Sweetspot

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



33.3015, 42.5704, 36.5994



76.4602, 85.0174, 87.0295



38.1140, 45.2104, 29.6397



16.5237, 18.5686, 18.7764



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.



33.3015, 42.5704, 36.5994



56.1408, 75.1074, 60.5528



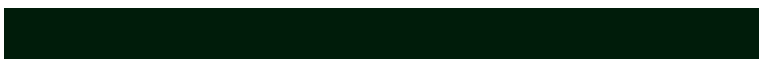
35.6230, 43.4990, 48.8244



9.0178, 10.1111, 10.2509



12.5002, 23.9010, 7.5562



0.4707, 0.8546, 0.4244

Inverse Universe

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



35.9830, 30.5951, 41.0564



61.8206, 49.7275, 69.9825



33.8463, 29.7405, 29.8050



9.2427, 9.1074, 10.6254



15.9553, 7.9559, 12.9174



0.5907, 0.2917, 0.6039

Previews

White Background



This preview shows how the XYZ color 33.3003, 42.5686, 36.5984 looks on a white background.

Color Contrast Check

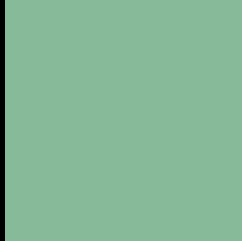
Large Text (above 18pt) WCAG AA × Fail

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 33.3003, 42.5686, 36.5984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

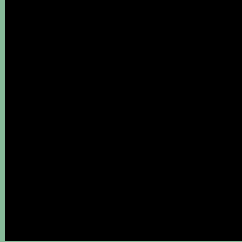
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3003, 42.5686, 36.5984

Background



This preview shows how black text looks on a background with the XYZ color 33.3003, 42.5686, 36.5984.



This preview shows how white text looks on a background with the XYZ color 33.3003, 42.5686,

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

33.3003, 42.5686, 36.5984

Protanopia

39.7385, 42.0610, 33.6279

Deuteranopia

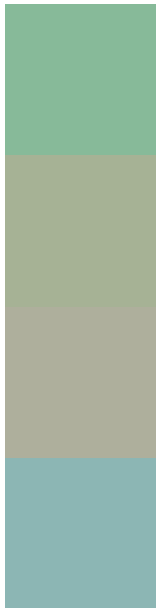
43.1144, 42.3099, 37.7925



Tritanopia

37.4993, 42.4223, 57.8417

Trichromacy



Original Color

33.3003, 42.5686, 36.5984

Protanomaly

37.0711, 42.1177, 34.6094

Deuteranomaly

38.7863, 42.0589, 37.5264

Tritanomaly

35.7814, 42.3266, 49.4640

Monochromacy



Original Color

33.3003, 42.5686, 36.5984

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.1752, 39.8493, 40.0202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3003, 42.5686, 36.5984 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, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(135, 186, 153)  
}
```

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, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 186, 153) }
```

Border

The CSS property to change the border of an element to XYZ 33.3003, 42.5686, 36.5984 is called "border". The border property can be set on classes, ids or directly on the HTML element.

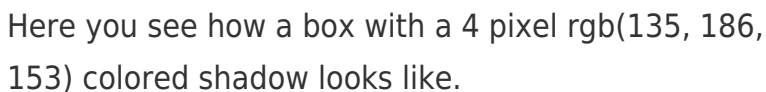
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 186, 153) }
```


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

```
.border{ border-color:rgb(135, 186, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 186, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 186, 153); box-shadow:4px 4px 4px 4px rgb(135, 186, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3003, 42.5686, 36.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 186, 153) }
```

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

```
.background{ background-color: rgb(135,  
186, 153) }
```

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