

Converting Colors

XYZ(33.6682, 42.3499, 37.7033)

Have a look what the booklet for
XYZ(33.6682, 42.3499, 37.7033)
contains.

XYZ(33.6662, 42.4166, 37.8653)	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(33.6662, 42.4166,
37.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	89B99C
RGB	137, 185, 156
RGB Percent	54%, 73%, 61%
CMY	0.4627, 0.2745, 0.3882
CMYK	0.26, 0.00, 0.16, 0.27
HSL	144°, 26%, 63%
HSV	144°, 26%, 73%
XYZ	33.6662, 42.4166, 37.8653
YIQ	167.3420, -19.2990, -19.1950

Conversions

Conversions Part 2

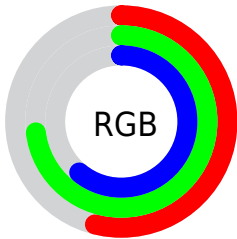
Format	Color
RYB	137, 171, 185
Decimal	9025948
CIELab	71.16, -21.91, 9.63
CIELCh	71, 23.929, 156.279
Yxy	42.4166, 0.2955, 0.3722
Android (android.graphics.Color)	4287216028 (0xFF89B99C)
YUV	167.3420, -5.5916, -26.6099
Hunter-Lab	65.1280, -21.7032, 11.1185

Details

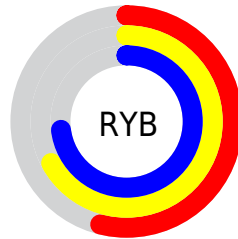
The XYZ color **33.6662, 42.4166, 37.8653** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.8376, 30.9597, 40.1651**, and the grayscale version is **36.9315, 38.8548, 42.3128**.

A 20% lighter version of the original color is **64.6990, 78.6901, 73.4067**, and **14.6388, 19.5009, 16.3571** is the 20% darker color. If you saturate the color by 10%, you get **29.9864, 40.6252, 32.9779**, and if you desaturate by 10%, it is **37.9554, 44.5145, 43.2378**.

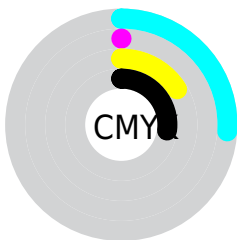
Distribution



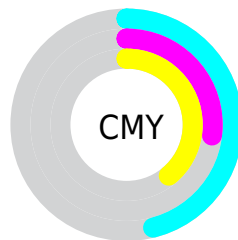
- Red (54%)
- Green (73%)
- Blue (61%)



- Red (54%)
- Yellow (67%)
- Blue (73%)



- Cyan (26%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)





- Cyan (46%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6662, 42.4166, 37.8653 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 33.6662, 42.4166, 37.8653 by changing the saturation by 10% instead.


 33.6662, 42.4166,
37.8653


 33.6662, 42.4166,
37.8653


310.2533,
356.2070, 352.3226


 22.7990, 29.4276,
25.5771


 64.7620, 78.8297,
73.1028

 14.5650, 19.4046,
16.2846


 85.7212, 103.0227,
96.8891

 8.5990, 11.9630,
9.5693


 110.7752,
131.7191, 125.3454

 4.5356, 6.7185,
5.0125

140.2893,
165.3034, 158.8899

 2.0094, 3.2867,
2.1957

174.6287,
204.1600, 197.9414

 0.6392, 1.2832,
0.6719

214.1590,

 0.0000, 0.1281,

248.6731, 242.9183

0.0000

259.2454,
299.2274, 294.2392

■ 0.0000, 0.0000,
0.0000

■ 33.6662, 42.4166,
37.8653

■ 33.6662, 42.4166,
37.8653

■ 29.9864, 40.6252,
32.9779

■ 37.9554, 44.5145,
43.2378

■ 26.8838, 39.1203,
28.5592

■ 42.8775, 46.9271,
49.1054

■ 24.3281, 37.8878,
24.5958

■ 48.4588, 49.6691,
55.4818

■ 22.2849, 36.9104,
21.0730

■ 54.7232, 52.7523,
62.3788

■ 20.7158, 36.1685,
17.9748

■ 61.6934, 56.1883,
69.8081

■ 19.5762, 35.6394,
15.2844

■ 69.3907, 59.9880,
77.7810

■ 18.8101, 35.2945,
12.9835

■ 73.4762, 61.9142,
86.1043

■ 18.5600, 35.1836,
12.1559

■ 75.1358, 62.5780,
94.8432

■ 76.6398, 63.1796,
102.7633

Harmonies

Analogous

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



35.9270, 42.4166, 30.5841



33.6662, 42.4166, 37.8653



33.1328, 42.4166, 48.6396

Triad

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



33.6662, 42.4166, 37.8653



41.1641, 42.4166, 71.7691



46.8503, 42.4166, 34.3211

Complementary

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



33.6662, 42.4166, 37.8653



35.8376, 30.9597, 40.1651

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.



48.4682, 42.4166, 43.8134



33.6662, 42.4166, 37.8653



45.0480, 42.4166, 66.3511

Square

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



33.6662, 42.4166, 37.8653



37.2953, 42.4166, 69.4708



47.7877, 42.4166, 55.6408



43.4949, 42.4166, 28.7873

Rectangle

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



33.6662, 42.4166, 37.8653



33.7952, 42.4166, 56.6572



47.7877, 42.4166, 55.6408



47.6252, 42.4166, 37.0890

Sweetspot

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



33.6674, 42.4184, 37.8662



74.7654, 83.0490, 85.5714



37.7178, 44.6780, 30.3031



15.8250, 17.7600, 18.1015



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.6674, 42.4184, 37.8662



56.4991, 74.1165, 62.8424



35.8441, 43.2890, 49.3286



9.0336, 10.1174, 10.3345



12.6708, 23.9693, 8.4545



0.4774, 0.8573, 0.4600

Inverse Universe

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



35.8376, 30.9597, 40.1651



61.0283, 50.1926, 67.6326



33.8821, 30.1775, 29.8676



9.2263, 9.1009, 10.5391



15.6429, 7.8309, 11.2721



0.5810, 0.2879, 0.5531

Previews

White Background



This preview shows how the XYZ color 33.6662, 42.4166, 37.8653 looks on a white background.

Color Contrast Check

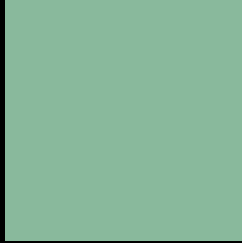
Large Text (above 18pt) WCAG AA × Fail

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 33.6662, 42.4166, 37.8653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

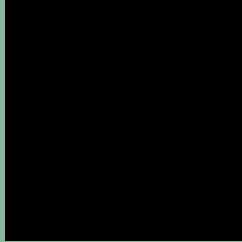
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6662, 42.4166, 37.8653

Background



This preview shows how black text looks on a background with the XYZ color 33.6662, 42.4166, 37.8653.



This preview shows how white text looks on a background with the XYZ color 33.6662, 42.4166,

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

33.6662, 42.4166, 37.8653

Protanopia

39.7400, 42.0342, 34.8731

Deuteranopia

43.1127, 42.2791, 39.1461



Tritanopia

37.5605, 42.4669, 57.2562

Trichromacy



Original Color

33.6662, 42.4166, 37.8653

Protanomaly

37.1155, 41.8183, 35.8213

Deuteranomaly

39.0733, 41.8893, 38.8269

Tritanomaly

35.9507, 42.4139, 49.4719

Monochromacy



Original Color

33.6662, 42.4166, 37.8653

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.4572, 39.9844, 40.4993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6662, 42.4166, 37.8653 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(137, 185, 156)` looks like.

```
.text, #text, p{  
    color:rgb(137, 185, 156)  
}
```

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(137, 185, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 185, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.6662, 42.4166, 37.8653 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(137, 185, 156) }
```


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

```
.border{ border-color:rgb(137, 185, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 185, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 185, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 185, 156); box-shadow:4px 4px 4px 4px rgb(137, 185, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6662, 42.4166, 37.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 185, 156) }
```

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

```
.background{ background-color: rgb(137,  
185, 156) }
```

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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