

Converting Colors

XYZ(33.0170, 44.6459, 31.6992)

Have a look what the booklet for
XYZ(33.0170, 44.6459, 31.6992)
contains.

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Color

**XYZ(33.1637, 44.8587,
31.7216)**

Conversions

Conversions Part 1

Format	Color
Hex	83C18C
RGB	131, 193, 140
RGB Percent	51%, 76%, 55%
CMY	0.4863, 0.2431, 0.4510
CMYK	0.32, 0.00, 0.27, 0.24
HSL	129°, 33%, 64%
HSV	129°, 32%, 76%
XYZ	33.1637, 44.8587, 31.7216
YIQ	168.4200, -19.9390, -29.6270

Conversions

Conversions Part 2

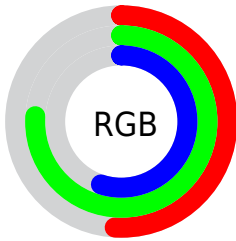
Format	Color
RYB	131, 185, 193
Decimal	8634764
CIELab	72.80, -30.75, 20.52
CIElCh	73, 36.967, 146.290
Yxy	44.8587, 0.3022, 0.4088
Android (android.graphics.Color)	4286824844 (0xFF83C18C)
YUV	168.4200, -14.0111, -32.8173
Hunter-Lab	66.9766, -28.8243, 18.8026

Details

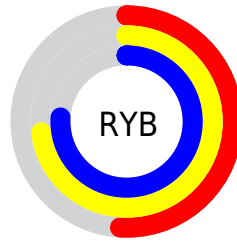
The XYZ color **33.1637, 44.8587, 31.7216** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7619, 31.0318, 49.2961**, and the grayscale version is **37.5007, 39.4537, 42.9651**.

A 20% lighter version of the original color is **64.1729, 82.7054, 63.6204**, and **14.3025, 20.8657, 12.9465** is the 20% darker color. If you saturate the color by 10%, you get **29.3217, 43.0095, 25.6607**, and if you desaturate by 10%, it is **37.7474, 47.0717, 38.7714**.

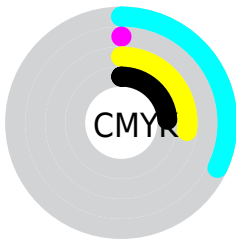
Distribution



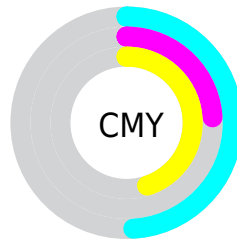
- Red (51%)
- Green (76%)
- Blue (55%)



- Red (51%)
- Yellow (73%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (27%)
- Black (24%)



- Cyan (49%)
- Magenta (24%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1637, 44.8587, 31.7216 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 33.1637, 44.8587, 31.7216 by changing the saturation by 10% instead.

■ 33.1637, 44.8587,
31.7216

■ 33.1637, 44.8587,
31.7216

308.0387,
366.2010, 324.3026

■ 22.4117, 31.3461,
20.8859

■ 63.9840, 82.5083,
63.4672

■ 14.2780, 20.8626,
12.8502

■ 84.7830, 107.4142,
85.2142

■ 8.3973, 13.0236,
7.1960

■ 109.6617,
136.8866, 111.4354

■ 4.4041, 7.4448,
3.5046

138.9856,
171.3100, 142.5492

■ 1.9332, 3.7418,
1.3577

173.1198,
211.0687, 178.9744

■ 0.5960, 1.5302,
0.1084

212.4298,

■ 0.0000, 0.3098,

256.5472, 221.1293

0.0000

257.2810,
308.1298, 269.4325

■ 0.0000, 0.0000,
0.0000

■ 33.1637, 44.8587,
31.7216

■ 33.1637, 44.8587,
31.7216

■ 29.3217, 43.0095,
25.6607

■ 37.7474, 47.0717,
38.7714

■ 26.1787, 41.4993,
20.5415

■ 43.1053, 49.6606,
46.8483

■ 23.6932, 40.3089,
16.3177


■ 49.2724, 52.6438,
55.9923


■ 21.8177, 39.4149,
12.9377


■ 56.2805, 56.0371,
66.2403


■ 20.4984, 38.7908,
10.3447

■ 64.1597, 59.8551,
77.6275

 19.6715, 38.4051,
8.4748

 72.9385, 64.1118,
90.1873

 19.2806, 38.2256,
7.4617

 78.3608, 66.6217,
103.3369

Harmonies

Analogous

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



37.3958, 44.8587, 23.4941



33.1637, 44.8587, 31.7216



31.4589, 44.8587, 46.5900

Triad

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



33.1637, 44.8587, 31.7216



41.8425, 44.8587, 93.3402



54.6996, 44.8587, 34.7889

Complementary

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



33.1637, 44.8587, 31.7216



38.7619, 31.0318, 49.2961

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.



56.1912, 44.8587, 51.1685



33.1637, 44.8587, 31.7216



48.3460, 44.8587, 87.9267

Square

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



33.1637, 44.8587, 31.7216



36.1416, 44.8587, 84.5825



53.7613, 44.8587, 71.2279



49.8671, 44.8587, 24.9276

Rectangle

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



33.1637, 44.8587, 31.7216



31.8443, 44.8587, 59.4553



53.7613, 44.8587, 71.2279



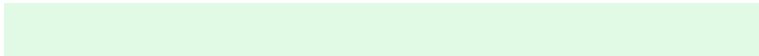
55.6280, 44.8587, 39.5760

Sweetspot

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



33.1649, 44.8606, 31.7226



79.2562, 89.9335, 86.9723



43.1118, 50.0620, 28.8639



16.6842, 19.1396, 18.1829



92.9021, 97.7402, 106.4391



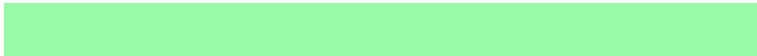
19.4759, 20.4902, 22.3138

Same Dimension

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



33.1649, 44.8606, 31.7226



54.1226, 77.8017, 48.5238



35.7124, 45.8796, 45.1375



10.0027, 11.2821, 11.0175



12.8417, 25.4307, 5.0593



0.5744, 1.1066, 0.3215

Inverse Universe

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



38.7619, 31.0318, 49.2961



65.7925, 48.9465, 85.1484



35.9205, 29.8952, 34.3337



10.4324, 10.2216, 12.3675



19.1666, 9.3564, 24.5869



0.8457, 0.4113, 1.1547

Previews

White Background



This preview shows how the XYZ color 33.1637, 44.8587, 31.7216 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 33.1637, 44.8587, 31.7216 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 33.1637, 44.8587, 31.7216

Background



This preview shows how black text looks on a background with the XYZ color 33.1637, 44.8587, 31.7216.

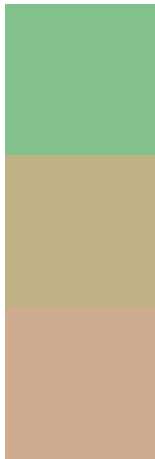


This preview shows how white text looks on a background with the XYZ color 33.1637, 44.8587,

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

33.1637, 44.8587, 31.7216

Protanopia

41.6399, 44.6106, 28.6064

Deuteranopia

45.4059, 44.4356, 32.9718



Tritanopia

39.1020, 44.7077, 61.2121

Trichromacy



Original Color

33.1637, 44.8587, 31.7216

Protanomaly

37.7396, 44.0796, 29.8117

Deuteranomaly

39.6684, 43.8071, 32.3515

Tritanomaly

36.6666, 44.6698, 48.8091

Monochromacy



Original Color

33.1637, 44.8587, 31.7216

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.4113, 40.8815, 38.3723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1637, 44.8587, 31.7216 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, 193, 140)` looks like.

```
.text, #text, p{  
    color:rgb(131, 193, 140)  
}
```

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, 193, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 193, 140) }
```

Border

The CSS property to change the border of an element to XYZ 33.1637, 44.8587, 31.7216 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, 193, 140) }
```


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

```
.border{ border-color:rgb(131, 193, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 193, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 193, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 193, 140);  
box-shadow:4px 4px 4px 4px rgb(131, 193,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1637, 44.8587, 31.7216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 193, 140) }
```

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

```
.background{ background-color: rgb(131,  
193, 140) }
```

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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