

Converting Colors

XYZ(33.7688, 31.1361, 43.0525)

Have a look what the booklet for
XYZ(33.7688, 31.1361, 43.0525)
contains.

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Color

**XYZ(33.8464, 31.1695,
43.2621)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8FAC
RGB	170, 143, 172
RGB Percent	67%, 56%, 67%
CMY	0.3333, 0.4392, 0.3255
CMYK	0.01, 0.17, 0.00, 0.33
HSL	296°, 15%, 62%
HSV	296°, 17%, 67%
XYZ	33.8464, 31.1695, 43.2621
YIQ	154.3790, 6.7830, 14.7430

Conversions

Conversions Part 2

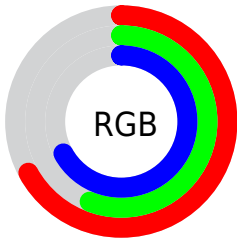
Format	Color
R_{YB}	170, 143, 172
Decimal	11177900
CIE _{Lab}	62.65, 15.39, -11.43
CIE _{LCh}	63, 19.169, 323.404
Yxy	31.1695, 0.3126, 0.2879
Android (android.graphics.Color)	4289367980 (0xFFAA8FAC)
YUV	154.3790, 8.6872, 13.6996
Hunter-Lab	55.8297, 10.5127, -6.8627

Details

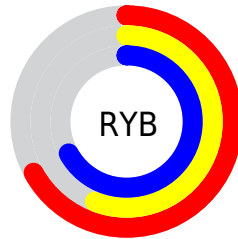
The XYZ color **33.8464, 31.1695, 43.2621** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **31.3886, 37.5087, 31.5737**, and the grayscale version is **30.8433, 32.4496, 35.3376**.

A 20% lighter version of the original color is **64.8827, 61.4861, 81.1214**, and **14.7757, 13.0363, 19.5068** is the 20% darker color. If you saturate the color by 10%, you get **31.2048, 26.2647, 42.4551**, and if you desaturate by 10%, it is **36.8881, 36.8699, 44.2025**.

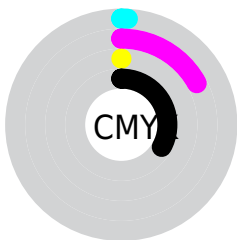
Distribution



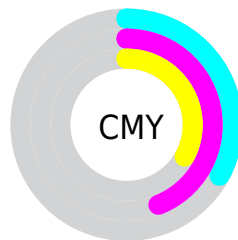
- Red (67%)
- Green (56%)
- Blue (67%)



- Red (67%)
- Yellow (56%)
- Blue (67%)



- Cyan (1%)
- Magenta (17%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8464, 31.1695, 43.2621 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 33.8464, 31.1695, 43.2621 by changing the saturation by 10% instead.


 33.8464, 31.1695,
43.2621


 33.8464, 31.1695,
43.2621


311.0446,
307.3184, 375.6414

 22.9380, 20.7280,
29.7579


 65.0406, 61.5068,
81.3968

 14.6681, 12.9253,
19.4044


 86.0571, 82.1714,
106.8644

 8.6716, 7.3771,
11.7831


111.1736,
107.0125, 137.1569

 4.5830, 3.6990,
6.4754

140.7556,
136.4144, 172.6928

 2.0370, 1.5067,
3.0628

175.1683,
170.7615, 213.8907

 0.6546, 0.2934,
1.1268

214.7771,

 0.0000, 0.0000,

210.4383, 261.1690

0.0000

259.9474,
255.8292, 314.9464

■ 33.8464, 31.1695,
43.2621

■ 33.8464, 31.1695,
43.2621

■ 31.2048, 26.2647,
42.4551

■ 36.8881, 36.8699,
44.2025

■ 28.9425, 22.1157,
41.7735

■ 40.3439, 43.3957,
45.2800

■ 27.0410, 18.6849,
41.2115

■ 44.2306, 50.7798,
46.5004

■ 25.4794, 15.9303,
40.7621

■ 48.5632, 59.0523,
47.8688

■ 24.2342, 13.8052,
40.4175

■ 53.3560, 68.2417,
49.3900

■ 23.2793, 12.2573,
40.1691

■ 58.6228, 78.3755,
51.0684

■ 22.5841, 11.2256,
40.0066

■ 61.6364, 83.9996,
51.9951

■ 22.1049, 10.6224,
39.9154

■ 61.9104, 84.1408,
52.0079

■ 21.9716, 10.4666,
39.8924

■ 62.1867, 84.2833,
52.0209

Harmonies

Analogous

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



31.6671, 31.1695, 48.9344



33.8464, 31.1695, 43.2621



34.9036, 31.1695, 35.6185

Triad

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



33.8464, 31.1695, 43.2621



30.2067, 31.1695, 21.5546



25.2488, 31.1695, 39.9823

Complementary

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



33.8464, 31.1695, 43.2621



31.3886, 37.5087, 31.5737

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.



24.9086, 31.1695, 32.3118



33.8464, 31.1695, 43.2621



27.6740, 31.1695, 22.3692

Square

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



33.8464, 31.1695, 43.2621



32.7238, 31.1695, 23.6448



25.7713, 31.1695, 26.0607



26.7295, 31.1695, 46.8547

Rectangle

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



33.8464, 31.1695, 43.2621



34.7881, 31.1695, 30.7099



25.7713, 31.1695, 26.0607



25.0010, 31.1695, 37.3853

Sweetspot

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



33.8473, 31.1708, 43.2628



67.9732, 68.8703, 80.5165



28.9646, 29.1981, 43.1393



14.6837, 14.8005, 17.4706



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.8473, 31.1708, 43.2628



59.6452, 53.2727, 77.9448



33.1745, 30.9521, 37.4463



8.2817, 8.1196, 10.0834



16.3692, 7.7985, 29.6870



0.4713, 0.2251, 0.8266

Inverse Universe

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



31.9476, 30.4613, 30.9853



55.5963, 51.7632, 51.6510



32.0047, 37.7148, 36.6411



8.0268, 8.0240, 8.4520



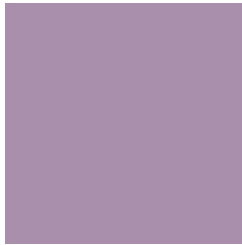
12.7175, 6.5495, 0.8919



0.3609, 0.1850, 0.0621

Previews

White Background



This preview shows how the XYZ color 33.8464, 31.1695, 43.2621 looks on a white background.

Color Contrast Check

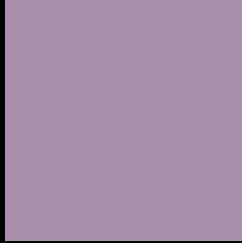
Large Text (above 18pt) WCAG AA × Fail

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 33.8464, 31.1695, 43.2621 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 33.8464, 31.1695, 43.2621

Background



This preview shows how black text looks on a background with the XYZ color 33.8464, 31.1695, 43.2621.



This preview shows how white text looks on a background with the XYZ color 33.8464, 31.1695,

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

33.8464, 31.1695, 43.2621

Protanopia

30.8748, 31.1901, 45.9880

Deuteranopia

31.8452, 31.2882, 42.8889



Tritanopia

32.5131, 31.3169, 36.2294

Trichromacy



Original Color

33.8464, 31.1695, 43.2621

Protanomaly

31.6892, 30.9311, 44.8575

Deuteranomaly

32.5299, 31.1794, 42.8318

Tritanomaly

33.0092, 31.2944, 38.4831

Monochromacy



Original Color

33.8464, 31.1695, 43.2621

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.8366, 31.8595, 38.1897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8464, 31.1695, 43.2621 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(170, 143, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 143, 172)  
}
```

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(170, 143, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 143, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.8464, 31.1695, 43.2621 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(170, 143, 172) }
```


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

```
.border{ border-color:rgb(170, 143, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 143, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 143, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 143, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 143,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8464, 31.1695, 43.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 143, 172) }
```

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

```
.background{ background-color: rgb(170,  
143, 172) }
```

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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