

Converting Colors

XYZ(31.3643, 31.6767, 42.9887)

Have a look what the booklet for
XYZ(31.3643, 31.6767, 42.9887)
contains.

XYZ(31.3662, 31.7489, 43.0030)	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(31.3662, 31.7489,
43.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	9897AB
RGB	152, 151, 171
RGB Percent	60%, 59%, 67%
CMY	0.4039, 0.4078, 0.3294
CMYK	0.11, 0.12, 0.00, 0.33
HSL	243°, 11%, 63%
HSV	243°, 12%, 67%
XYZ	31.3662, 31.7489, 43.0030
YIQ	153.5790, -5.8240, 6.4320

Conversions

Conversions Part 2

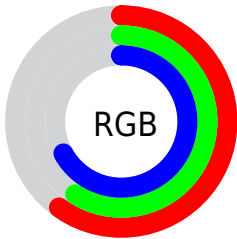
Format	Color
R_{YB}	152, 151, 171
Decimal	10000299
CIE _{Lab}	63.13, 4.43, -10.30
CIE _{LCh}	63, 11.209, 293.253
Yxy	31.7489, 0.2956, 0.2992
Android (android.graphics.Color)	4288190379 (0xFF9897AB)
YUV	153.5790, 8.5886, -1.3848
Hunter-Lab	56.3462, 0.7598, -5.8074

Details

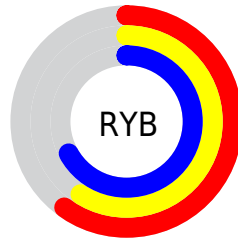
The XYZ color **31.3662, 31.7489, 43.0030** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7275, 39.9070, 35.0468**, and the grayscale version is **30.4970, 32.0853, 34.9408**.

A 20% lighter version of the original color is **61.0124, 62.2754, 80.7562**, and **13.2538, 13.2130, 19.3046** is the 20% darker color. If you saturate the color by 10%, you get **25.9761, 25.1776, 42.0192**, and if you desaturate by 10%, it is **37.5739, 39.3360, 44.1408**.

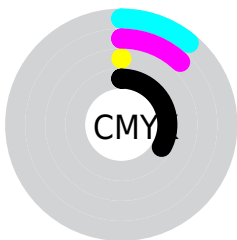
Distribution



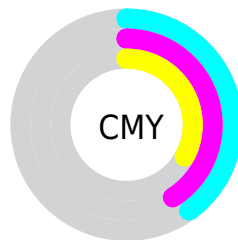
- Red (60%)
- Green (59%)
- Blue (67%)



- Red (60%)
- Yellow (59%)
- Blue (67%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3662, 31.7489, 43.0030 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 31.3662, 31.7489, 43.0030 by changing the saturation by 10% instead.

■ 31.3662, 31.7489,
43.0030

■ 31.3662, 31.7489,
43.0030

300.0187,
309.9738, 374.5457

■ 21.0311, 21.1698,
29.5560

■ 61.1881, 62.4172,
81.0018

■ 13.2593, 13.2482,
19.2527

■ 81.4055, 83.2752,
106.3907

■ 7.6856, 7.5997,
11.6743

105.6478,
108.3283, 136.5974

■ 3.9445, 3.8399,
6.4025

134.2802,
137.9609, 172.0403

■ 1.6708, 1.5844,
3.0186

167.6682,
172.5573, 213.1381

■ 0.4379, 0.3470,
1.1041

206.1770,

■ 0.0000, 0.0000,

212.5020, 260.3092

0.0000

250.1721,
258.1794, 313.9722

■ 31.3662, 31.7489,
43.0030

■ 31.3662, 31.7489,
43.0030

■ 25.9761, 25.1776,
42.0192

■ 37.5739, 39.3360,
44.1408

■ 21.3669, 19.5751,
41.1807

■ 44.6283, 47.9751,
45.4365

■ 17.5031, 14.8969,
40.4814

■ 52.5606, 57.7058,
46.8966

■ 14.3456, 11.0932,
39.9136

■ 61.3996, 68.5643,
48.5266

■ 11.8517, 8.1098,
39.4692

■ 71.1725, 80.5851,
50.3318

■ 9.9738, 5.8861,
39.1390

■ 81.9059, 93.8012,
52.3171

■ 8.6582, 4.3535,
38.9125

■ 84.3508, 95.7203,
52.5586

■ 7.8421, 3.4308,
38.7774

■ 7.4576, 2.9954,
38.7136

Harmonies

Analogous

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



29.8282, 31.7489, 43.7394



31.3662, 31.7489, 43.0030



32.6235, 31.7489, 39.9213

Triad

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



31.3662, 31.7489, 43.0030



31.9915, 31.7489, 28.1816



27.3173, 31.7489, 33.5778

Complementary

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



31.3662, 31.7489, 43.0030



36.7275, 39.9070, 35.0468

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.



27.8548, 31.7489, 29.7181



31.3662, 31.7489, 43.0030



30.5272, 31.7489, 26.7795

Square

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



31.3662, 31.7489, 43.0030



32.9931, 31.7489, 31.3133



29.0170, 31.7489, 27.3171



27.5247, 31.7489, 38.0432

Rectangle

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



31.3662, 31.7489, 43.0030



33.1158, 31.7489, 37.0828



29.0170, 31.7489, 27.3171



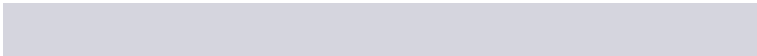
27.4163, 31.7489, 32.1718

Sweetspot

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



31.3672, 31.7502, 43.0037



64.5152, 67.0512, 78.5437



34.5514, 38.3949, 44.1184



14.1986, 14.7222, 17.4810



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.



31.3672, 31.7502, 43.0037



53.5747, 53.6874, 76.5409



33.2511, 32.7214, 43.0919



7.6145, 7.7756, 10.0522



5.6353, 2.2650, 29.1847



0.1685, 0.0691, 0.8124

Inverse Universe

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



35.1179, 33.6948, 42.6845



61.6216, 57.8596, 75.8388



34.7137, 38.8689, 34.9525



8.3196, 8.1411, 9.9936



17.6141, 8.5082, 26.6771



0.4951, 0.2387, 0.7692

Previews

White Background



This preview shows how the XYZ color 31.3662, 31.7489, 43.0030 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 31.3662, 31.7489, 43.0030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

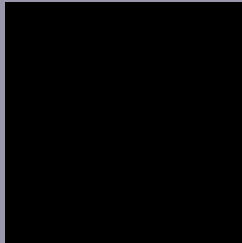
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3662, 31.7489, 43.0030

Background



This preview shows how black text looks on a background with the XYZ color 31.3662, 31.7489, 43.0030.



This preview shows how white text looks on a background with the XYZ color 31.3662, 31.7489,

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

31.3662, 31.7489, 43.0030

Protanopia

31.1566, 31.8808, 43.0396

Deuteranopia

32.3962, 31.8061, 42.9598



Tritanopia

30.6916, 31.7161, 39.6262

Trichromacy



Original Color

31.3662, 31.7489, 43.0030

Protanomaly

31.3414, 31.9761, 43.0482

Deuteranomaly

31.9673, 31.8209, 42.9853

Tritanomaly

30.9658, 31.8258, 41.0701

Monochromacy



Original Color

31.3662, 31.7489, 43.0030

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8733, 32.0928, 37.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3662, 31.7489, 43.0030 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(152, 151, 171)` looks like.

```
.text, #text, p{  
    color:rgb(152, 151, 171)  
}
```

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(152, 151, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 151, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.3662, 31.7489, 43.0030 is called "border". The border property can be set on classes, ids or directly on the HTML element.

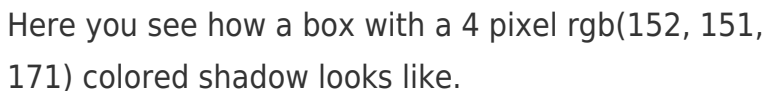
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 151, 171) }
```


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

```
.border{ border-color:rgb(152, 151, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 151, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 151, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 151, 171); box-shadow:4px 4px 4px 4px rgb(152, 151, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3662, 31.7489, 43.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 151, 171) }
```

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

```
.background{ background-color: rgb(152,  
151, 171) }
```

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