

Converting Colors

XYZ(40.9002, 31.8235, 62.1228)

Have a look what the booklet for
XYZ(40.9002, 31.8235, 62.1228)
contains.

XYZ(40.9951, 31.8953, 62.3882)	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(40.9951, 31.8953,
62.3882)**

Conversions

Conversions Part 1

Format	Color
Hex	C083CE
RGB	192, 131, 206
RGB Percent	75%, 51%, 81%
CMY	0.2471, 0.4863, 0.1922
CMYK	0.07, 0.36, 0.00, 0.19
HSL	289°, 43%, 66%
HSV	289°, 36%, 81%
XYZ	40.9951, 31.8953, 62.3882
YIQ	157.7890, 12.2810, 36.2570

Conversions

Conversions Part 2

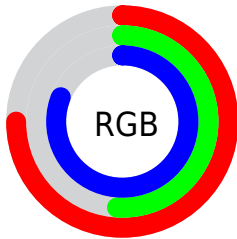
Format	Color
R_{YB}	192, 131, 206
Decimal	12616654
CIE _{Lab}	63.26, 36.15, -29.47
CIE _{LCh}	63, 46.642, 320.819
Yxy	31.8953, 0.3030, 0.2358
Android (android.graphics.Color)	4290806734 (0xFFC083CE)
YUV	157.7890, 23.7680, 30.0030
Hunter-Lab	56.4759, 30.7378, -25.9637

Details

The XYZ color **40.9951, 31.8953, 62.3882** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.8461, 51.8018, 29.4783**, and the grayscale version is **32.2967, 33.9786, 37.0027**.

A 20% lighter version of the original color is **74.4659, 62.0577, 102.6613**, and **18.7711, 13.2901, 30.8540** is the 20% darker color. If you saturate the color by 10%, you get **37.5379, 26.4068, 61.5115**, and if you desaturate by 10%, it is **45.0299, 38.4997, 63.4508**.

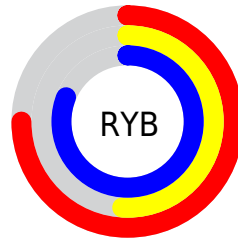
Distribution



Red (75%)

Green (51%)

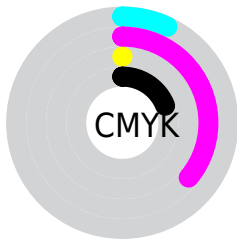
Blue (81%)



Red (75%)

Yellow (51%)

Blue (81%)

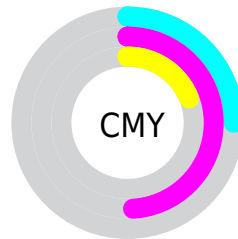


Cyan (7%)

Magenta (36%)

Yellow (0%)

Black (19%)



Cyan (25%)


Magenta (49%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9951, 31.8953, 62.3882 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 40.9951, 31.8953, 62.3882 by changing the saturation by 10% instead.


 40.9951, 31.8953,
62.3882

 40.9951, 31.8953,
62.3882


341.3631,
310.6420, 451.3924


 28.5029, 21.2815,
44.9086


 75.9512, 62.6469,
109.8634

 18.8475, 13.3300,
31.0430


 99.1458, 83.5536,
140.6962

 11.6635, 7.6561,
20.3729


 126.6387,
108.6600, 176.8170

 6.5855, 3.8757,
12.4796

158.7950,
138.3505, 218.6446

 3.2483, 1.6043,
6.9447

195.9803,
173.0096, 266.5974

 1.2864, 0.3605,
3.3496

238.5598,

 0.1730, 0.0000,

213.0216, 321.0939

1.2758

286.8990,
258.7710, 382.5527

■ 0.0000, 0.0000,
0.0418

■ 0.0000, 0.0000,
0.0000

■ 40.9951, 31.8953,
62.3882

■ 40.9951, 31.8953,
62.3882

■ 37.5379, 26.4068,
61.5115

■ 45.0299, 38.4997,
63.4508

■ 34.6221, 21.9644,
60.8077


■ 49.6694, 46.2762,
64.7073


■ 32.2124, 18.4970,
60.2654


■ 54.9426, 55.2819,
66.1676


■ 30.2676, 15.9225,
59.8710


■ 60.8760, 65.5691,
67.8405


 28.7399, 14.1456,
59.6086


 67.4941, 77.1871,
69.7342


 27.5682, 13.0443,
59.4577

 74.8205, 90.1824,
71.8564

 27.1930, 12.7316,
59.4172

 76.0896, 91.0237,
71.9519

 77.2593, 91.6267,
72.0067

 78.4560, 92.2437,
72.0627

Harmonies

Analogous

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



34.9463, 31.8953, 79.7004



40.9951, 31.8953, 62.3882



44.2997, 31.8953, 40.7172

Triad

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



40.9951, 31.8953, 62.3882



32.3402, 31.8953, 10.1233



20.1274, 31.8953, 48.9627

Complementary

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



40.9951, 31.8953, 62.3882



37.8461, 51.8018, 29.4783

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.



19.6356, 31.8953, 29.3579



40.9951, 31.8953, 62.3882



26.1131, 31.8953, 10.9661

Square

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



40.9951, 31.8953, 62.3882



38.8563, 31.8953, 13.8132



21.6732, 31.8953, 16.7584



23.1280, 31.8953, 70.2303

Rectangle

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



40.9951, 31.8953, 62.3882



44.2204, 31.8953, 28.4721



21.6732, 31.8953, 16.7584



19.6817, 31.8953, 41.8403

Sweetspot

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



40.9962, 31.8967, 62.3889



84.8453, 82.4113, 106.0429



30.7808, 29.8407, 62.5305



17.9107, 17.2133, 22.6285



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.9962, 31.8967, 62.3889



61.7927, 44.3069, 99.9030



42.1702, 32.7955, 49.1816



11.4743, 11.2938, 14.1455



16.8212, 7.8792, 36.5905



0.9223, 0.4346, 1.8902

Inverse Universe

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



38.6817, 31.4001, 30.8114



57.7102, 43.5160, 40.3584



37.2236, 51.2851, 38.2925



11.2964, 11.2473, 12.0957



15.9200, 8.1786, 2.0317



0.8477, 0.4325, 0.2438

Previews

White Background



This preview shows how the XYZ color 40.9951, 31.8953, 62.3882 looks on a white background.

Color Contrast Check

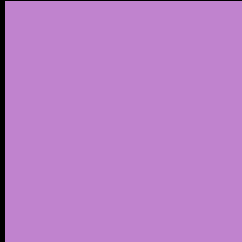
Large Text (above 18pt) WCAG AA × Fail

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 40.9951, 31.8953, 62.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

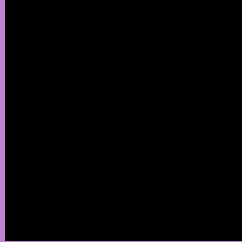
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9951, 31.8953, 62.3882

Background



This preview shows how black text looks on a background with the XYZ color 40.9951, 31.8953, 62.3882.



This preview shows how white text looks on a background with the XYZ color 40.9951, 31.8953,

62.3882.

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

40.9951, 31.8953, 62.3882

Protanopia

33.6115, 32.2324, 73.5572

Deuteranopia

32.8826, 32.1483, 60.3493



Tritanopia

35.1899, 31.8363, 34.4273

Trichromacy



Original Color

40.9951, 31.8953, 62.3882

Protanomaly

35.5048, 31.6767, 69.2087

Deuteranomaly

35.2500, 31.7319, 60.7669

Tritanomaly

37.0284, 31.7203, 43.2007

Monochromacy



Original Color

40.9951, 31.8953, 62.3882

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.9053, 32.8210, 45.0528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9951, 31.8953, 62.3882 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(192, 131, 206)` looks like.

```
.text, #text, p{  
    color:rgb(192, 131, 206)  
}
```

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(192, 131, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 131, 206) }
```

Border

The CSS property to change the border of an element to XYZ 40.9951, 31.8953, 62.3882 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(192, 131, 206) }
```


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

```
.border{ border-color:rgb(192, 131, 206) }
```

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

Here you see how a box with a 4 pixel rgb(192, 131, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 131, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 131, 206);  
box-shadow:4px 4px 4px 4px rgb(192, 131,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9951, 31.8953, 62.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 131, 206) }
```

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

```
.background{ background-color: rgb(192,  
131, 206) }
```

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