

Converting Colors

XYZ(31.2792, 24.8829, 16.6311)

Have a look what the booklet for
XYZ(31.2792, 24.8829, 16.6311)
contains.

XYZ(31.1862, 24.8835, 16.5239)	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(31.1862, 24.8835,
16.5239)**

Conversions

Conversions Part 1

Format	Color
Hex	C37369
RGB	195, 115, 105
RGB Percent	76%, 45%, 41%
CMY	0.2353, 0.5490, 0.5882
CMYK	0.00, 0.41, 0.46, 0.24
HSL	7°, 43%, 59%
HSV	7°, 46%, 76%
XYZ	31.1862, 24.8835, 16.5239
YIQ	137.7800, 50.8900, 13.8500

Conversions

Conversions Part 2

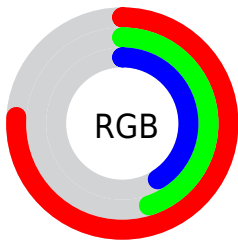
Format	Color
R _Y B	195, 116, 105
Decimal	12809065
CIE Lab	56.96, 30.37, 19.12
CIE LCh	57, 35.887, 32.188
Yxy	24.8835, 0.4296, 0.3428
Android (android.graphics.Color)	4290999145 (0xFFC37369)
YUV	137.7800, -16.1605, 50.1819
Hunter-Lab	49.8834, 24.2992, 15.2785

Details

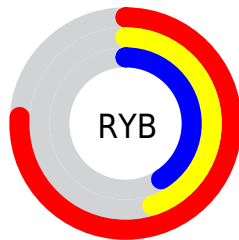
The XYZ color **31.1862, 24.8835, 16.5239** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.0240, 41.6393, 57.9262**, and the grayscale version is **24.1203, 25.3764, 27.6349**.

A 20% lighter version of the original color is **60.8764, 51.4764, 38.1799**, and **13.1353, 9.4894, 5.1423** is the 20% darker color. If you saturate the color by 10%, you get **28.5025, 20.9403, 11.2387**, and if you desaturate by 10%, it is **34.4726, 29.6643, 23.1442**.

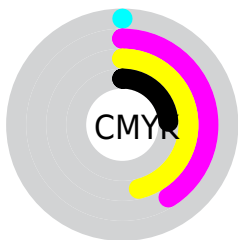
Distribution



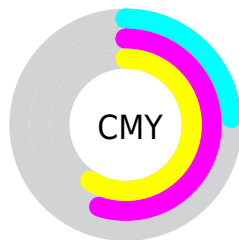
- Red (76%)
- Green (45%)
- Blue (41%)



- Red (76%)
- Yellow (45%)
- Blue (41%)



- Cyan (0%)
- Magenta (41%)
- Yellow (46%)
- Black (24%)





- Cyan (24%)
- Magenta (55%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1862, 24.8835, 16.5239 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 31.1862, 24.8835, 16.5239 by changing the saturation by 10% instead.


 31.1862, 24.8835,
16.5239


 31.1862, 24.8835,
16.5239


299.2068,
277.2573, 244.3640


 20.8932, 15.9903,
9.7373


 60.9070, 51.4682,
38.2847


 13.1580, 9.5173,
5.1218


 81.0654, 69.9284,
54.0960

 7.6152, 5.0801,
2.2589


 105.2431, 92.3464,
73.7526

 3.8994, 2.2943,
0.7081

 133.8053,
119.1066, 97.6730

 1.6454, 0.7707,
0.0000

167.1174,
150.5934, 126.2758

 0.4217, 0.0000,
0.0000

205.5448,

 0.0000, 0.0000,

187.1912, 159.9796

0.0000

249.4528,
229.2844, 199.2028

■ 31.1862, 24.8835,
16.5239

■ 31.1862, 24.8835,
16.5239

■ 28.5025, 20.9403,
11.2387

■ 34.4726, 29.6643,
23.1442

■ 26.3827, 17.7828,
7.1963

■ 38.3935, 35.3233,
31.1804

■ 24.7867, 15.3593,
4.2951


■ 42.9806, 41.9027,
40.7088


■ 23.6679, 13.6100,
2.4165


■ 48.2630, 49.4412,
51.7996

■ 22.9702, 12.4654,
1.4108


■ 54.2681, 57.9750,
64.5186

 22.7864, 12.1636,
1.1468

 61.0218, 67.5387,
78.9279

 68.5487, 78.1649,
95.0862

 75.8908, 89.4924,
107.8816

 76.3156, 90.3421,
108.0232

Harmonies

Analogous

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



32.6993, 24.8835, 26.2184



31.1862, 24.8835, 16.5239



27.6334, 24.8835, 11.3244

Triad

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



31.1862, 24.8835, 16.5239



17.1883, 24.8835, 17.6511



23.9614, 24.8835, 57.4978

Complementary

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



31.1862, 24.8835, 16.5239



33.0240, 41.6393, 57.9262

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.



20.0709, 24.8835, 53.2132



31.1862, 24.8835, 16.5239



16.4479, 24.8835, 27.9887

Square

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



31.1862, 24.8835, 16.5239



19.5949, 24.8835, 11.8265



17.4393, 24.8835, 41.4180



28.2315, 24.8835, 51.8371

Rectangle

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



31.1862, 24.8835, 16.5239



24.7687, 24.8835, 10.0024



17.4393, 24.8835, 41.4180



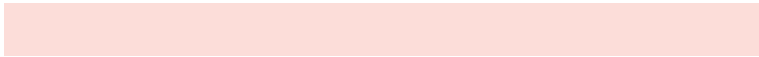
22.5674, 24.8835, 57.1709

Sweetspot

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



31.1868, 24.8848, 16.5244



78.7123, 77.5267, 76.5342



36.4202, 25.2506, 49.4086



16.8068, 16.3621, 15.8604



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.



31.1868, 24.8848, 16.5244



51.1779, 37.6958, 20.3799



37.4536, 37.4184, 18.6133



10.1614, 10.2541, 10.5056



14.8415, 7.9688, 0.7559



0.6720, 0.4058, 0.0429

Inverse Universe

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



33.0240, 41.6393, 57.9262



54.8185, 71.1848, 103.3206



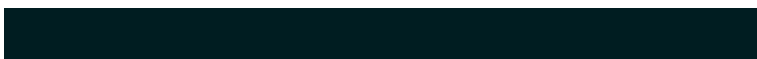
25.2010, 25.9933, 55.3186



10.2698, 11.2310, 12.9114



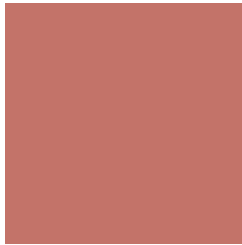
16.1934, 22.1432, 36.9772



0.7275, 1.0123, 1.6069

Previews

White Background



This preview shows how the XYZ color 31.1862, 24.8835, 16.5239 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1862, 24.8835, 16.5239 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 × Fail

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

XYZ 31.1862, 24.8835, 16.5239

Background



This preview shows how black text looks on a background with the XYZ color 31.1862, 24.8835, 16.5239.



This preview shows how white text looks on a background with the XYZ color 31.1862, 24.8835,

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

31.1862, 24.8835, 16.5239

Protanopia

23.7172, 25.1489, 19.8238

Deuteranopia

25.4149, 24.8733, 16.0319



Tritanopia

32.1213, 24.9265, 21.2075

Trichromacy



Original Color

31.1862, 24.8835, 16.5239

Protanomaly

25.8238, 24.6347, 18.4328

Deuteranomaly

27.2374, 24.6452, 16.1534

Tritanomaly

31.8768, 25.0082, 19.3666

Monochromacy



Original Color

31.1862, 24.8835, 16.5239

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.0466, 24.8425, 23.1610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1862, 24.8835, 16.5239 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(195, 115, 105)` looks like.

```
.text, #text, p{  
    color:rgb(195, 115, 105)  
}
```

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(195, 115, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 115, 105) }
```

Border

The CSS property to change the border of an element to XYZ 31.1862, 24.8835, 16.5239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

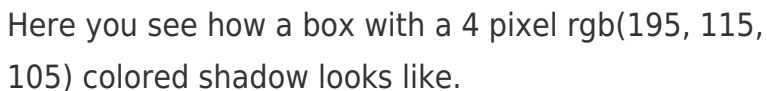
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 115, 105) }
```


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

```
.border{ border-color:rgb(195, 115, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 115, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 115, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 115, 105); box-shadow:4px 4px 4px 4px rgb(195, 115, 105) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1862, 24.8835, 16.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 115, 105) }
```

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

```
.background{ background-color: rgb(195,  
115, 105) }
```

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