

# Converting Colors

XYZ(31.9901, 31.1038, 25.6687)

Have a look what the booklet for  
XYZ(31.9901, 31.1038, 25.6687)  
contains.

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# **Color**

**XYZ(31.9013, 31.0035,  
25.7756)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF9183
RGB	175, 145, 131
RGB Percent	69%, 57%, 51%
CMY	0.3137, 0.4314, 0.4863
CMYK	0.00, 0.17, 0.25, 0.31
HSL	19°, 22%, 60%
HSV	19°, 25%, 69%
XYZ	31.9013, 31.0035, 25.7756
YIQ	152.3740, 22.3740, 2.0060

# Conversions

## Conversions Part 2

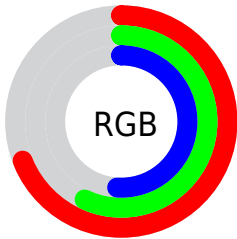
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 152, 131
Decimal	11506051
CIELab	62.51, 9.07, 11.64
CIElCh	63, 14.757, 52.078
Yxy	31.0035, 0.3597, 0.3496
Android (android.graphics.Color)	4289696131 (0xFFAF9183)
YUV	152.3740, -10.5374, 19.8430
Hunter-Lab	55.6808, 4.8270, 11.5302

# Details

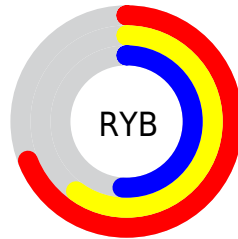
The XYZ color **31.9013, 31.0035, 25.7756** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **29.8423, 33.4090, 45.4332**, and the grayscale version is **30.0447, 31.6094, 34.4226**.

A 20% lighter version of the original color is **62.0302, 61.2965, 53.9095**, and **13.6412, 12.9312, 9.7596** is the 20% darker color. If you saturate the color by 10%, you get **29.0859, 27.1130, 19.4714**, and if you desaturate by 10%, it is **35.1102, 35.3599, 33.2000**.

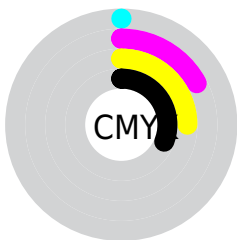
# Distribution



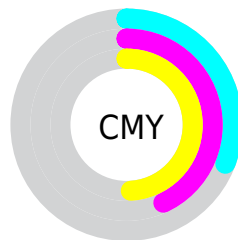
- Red (69%)
- Green (57%)
- Blue (51%)



- Red (69%)
- Yellow (60%)
- Blue (51%)



- Cyan (0%)
- Magenta (17%)
- Yellow (25%)
- Black (31%)




- Cyan (31%)
- Magenta (43%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9013, 31.0035, 25.7756 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 31.9013, 31.0035, 25.7756 by changing the saturation by 10% instead.





 31.9013, 31.0035,  
25.7756


 31.9013, 31.0035,  
25.7756


302.4227,  
306.5544, 295.2491

 21.4413, 20.6015,  
16.4316


 62.0226, 61.2456,  
53.8923

 13.5613, 12.8330,  
9.6724


 82.4145, 81.8545,  
73.5022

 7.8958, 7.3137,  
5.0796

 106.8479,  
106.6344, 97.3710

 4.0796, 3.6590,  
2.2345

135.6880,  
135.9699, 125.9173

 1.7473, 1.4847,  
0.6941

169.3001,  
170.2452, 159.5598

 0.4856, 0.2779,  
0.0000

208.0497,

 0.0000, 0.0000,

209.8448, 198.7169

0.0000

252.3021,  
255.1531, 243.8071

■ 31.9013, 31.0035,  
25.7756

■ 31.9013, 31.0035,  
25.7756

■ 29.0859, 27.1130,  
19.4714

■ 35.1102, 35.3599,  
33.2000

■ 26.6455, 23.6683,  
14.2307

■ 38.7251, 40.1930,  
41.7939

■ 24.5639, 20.6542,  
9.9943

■ 42.7610, 45.5184,  
51.6059

■ 22.8225, 18.0528,  
6.6967

■ 47.2313, 51.3498,  
62.6812

■ 21.4009, 15.8449,  
4.2644

■ 52.1489, 57.7004,  
75.0627

■ 20.2761, 14.0094,  
2.6128

■ 57.5260, 64.5828,  
88.7915

■ 19.4210, 12.5230,  
1.6377

■ 63.3745, 72.0092,  
103.9066

■ 19.0788, 11.9131,  
1.2939

■ 67.0210, 78.9175,  
106.3080

■ 70.6581, 86.1918,  
107.5203

# Harmonies

## Analogous

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



33.1867, 31.0035, 29.7754



31.9013, 31.0035, 25.7756



30.0024, 31.0035, 23.9604

# Triad

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



31.9013, 31.0035, 25.7756



25.8121, 31.0035, 32.2585



30.9408, 31.0035, 45.0572

# Complementary

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



31.9013, 31.0035, 25.7756



29.8423, 33.4090, 45.4332

# 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.



28.9397, 31.0035, 45.9163



31.9013, 31.0035, 25.7756



26.0379, 31.0035, 38.0798

# Square

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



31.9013, 31.0035, 25.7756



26.5302, 31.0035, 27.4164



27.1615, 31.0035, 43.2375



32.6148, 31.0035, 41.0080



# Rectangle

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



31.9013, 31.0035, 25.7756



28.6686, 31.0035, 24.0712



27.1615, 31.0035, 43.2375



30.2819, 31.0035, 45.7458

# Sweetspot

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



31.9021, 31.0049, 25.7762



67.3376, 69.2995, 70.0150



32.2346, 27.9224, 37.4398



14.7495, 15.1129, 15.0442



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



31.9021, 31.0049, 25.7762



54.3385, 51.6800, 39.8508



35.5826, 38.3658, 27.0031



8.2056, 8.4159, 8.4053



13.7129, 8.6312, 0.9432



0.4315, 0.3401, 0.0429



# Inverse Universe

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



29.8423, 33.4090, 45.4332



50.0280, 56.6974, 80.9438



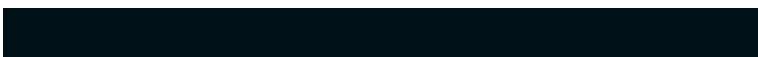
26.3405, 26.4053, 44.2659



8.0181, 8.6356, 10.1969



10.3485, 11.8309, 30.7827



0.3342, 0.4218, 0.8718



# Previews

## White Background



This preview shows how the XYZ color 31.9013, 31.0035, 25.7756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

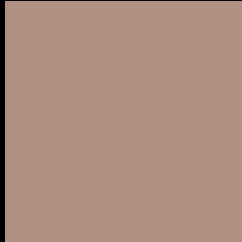
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.9013, 31.0035, 25.7756 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

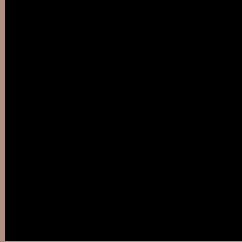
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 31.9013, 31.0035, 25.7756

## Background



This preview shows how black text looks on a background with the XYZ color 31.9013, 31.0035, 25.7756.



This preview shows how white text looks on a background with the XYZ color 31.9013, 31.0035,

25.7756.

# 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

31.9013, 31.0035, 25.7756

### Protanopia

29.4702, 31.1235, 27.0085

### Deuteranopia

31.6092, 31.0807, 25.8059



## Tritanopia

33.7829, 31.1109, 34.3614

# Trichromacy



## Original Color

31.9013, 31.0035, 25.7756

## Protanomaly

30.2909, 31.0809, 26.5930

## Deuteranomaly

31.8312, 31.1951, 25.8163

## Tritanomaly

33.0648, 31.0364, 31.0360

# Monochromacy



## Original Color

31.9013, 31.0035, 25.7756

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

30.2787, 30.9821, 30.7698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.9013, 31.0035, 25.7756 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(175, 145, 131)` looks like.

```
.text, #text, p{  
    color:rgb(175, 145, 131)  
}
```

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(175, 145, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 145, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 31.9013, 31.0035, 25.7756 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(175, 145, 131) }
```



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

```
.border{ border-color:rgb(175, 145, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 145, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 145, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 145, 131);  
box-shadow:4px 4px 4px 4px rgb(175, 145,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.9013, 31.0035, 25.7756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 145, 131) }
```

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

```
.background{ background-color: rgb(175,  
145, 131) }
```

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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