

Converting Colors

XYZ(37.1468, 31.1450, 24.3040)

Have a look what the booklet for
XYZ(37.1468, 31.1450, 24.3040)
contains.

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Color

**XYZ(37.1857, 31.1709,
24.4788)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8580
RGB	204, 133, 128
RGB Percent	80%, 52%, 50%
CMY	0.2000, 0.4784, 0.4980
CMYK	0.00, 0.35, 0.37, 0.20
HSL	4°, 43%, 65%
HSV	4°, 37%, 80%
XYZ	37.1857, 31.1709, 24.4788
YIQ	153.6590, 43.9210, 13.4970

Conversions

Conversions Part 2

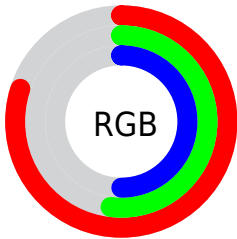
Format	Color
R_{YB}	204, 133, 128
Decimal	13403520
CIE _{Lab}	62.65, 26.68, 14.00
CIE _{LCh}	63, 30.125, 27.682
Yxy	31.1709, 0.4006, 0.3358
Android (android.graphics.Color)	4291593600 (0xFFCC8580)
YUV	153.6590, -12.6499, 44.1491
Hunter-Lab	55.8309, 21.1843, 13.0862

Details

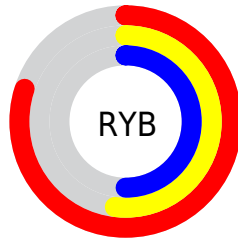
The XYZ color **37.1857, 31.1709, 24.4788** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.2240, 49.7941, 64.6181**, and the grayscale version is **30.6066, 32.2005, 35.0664**.

A 20% lighter version of the original color is **67.3508, 60.1368, 51.7739**, and **16.6413, 12.8950, 9.0090** is the 20% darker color. If you saturate the color by 10%, you get **33.5990, 25.9346, 17.3113**, and if you desaturate by 10%, it is **41.5173, 37.4649, 33.2270**.

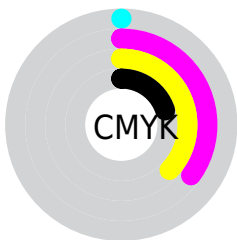
Distribution



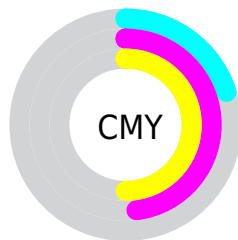
- Red (80%)
- Green (52%)
- Blue (50%)



- Red (80%)
- Yellow (52%)
- Blue (50%)



- Cyan (0%)
- Magenta (35%)
- Yellow (37%)
- Black (20%)





- Cyan (20%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1857, 31.1709, 24.4788 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 37.1857, 31.1709, 24.4788 by changing the saturation by 10% instead.


 37.1857, 31.1709,
24.4788


 37.1857, 31.1709,
24.4788


325.4554,
307.3249, 288.5964


 25.5256, 20.7290,
15.4737


 70.1703, 61.5090,
51.7640

 16.5999, 12.9261,
9.0022

 92.2255, 82.1741,
70.8812

 10.0432, 7.3777,
4.6458


 118.4765,
107.0156, 94.2061

 5.4901, 3.6994,
1.9859

149.2886,
136.4181, 122.1574

 2.5753, 1.5069,
0.5466

185.0272,
170.7659, 155.1535

 0.9334, 0.2936,
0.0000

226.0576,

 0.0000, 0.0000,

210.4433, 193.6130

0.0000

272.7452,
255.8349, 237.9545

■ 37.1857, 31.1709,
24.4788

■ 37.1857, 31.1709,
24.4788

■ 33.5990, 25.9346,
17.3113

■ 41.5173, 37.4649,
33.2270

■ 30.7129, 21.6937,
11.6285

■ 46.6301, 44.8653,
43.6405

■ 28.4821, 18.3864,
7.3267

■ 52.5606, 53.4233,
55.8002

■ 26.8552, 15.9422,
4.2881

■ 59.3427, 63.1858,
69.7810

■ 25.7726, 14.2804,
2.3754

■ 67.0081, 74.1968,
85.6536

■ 25.1598, 13.3041,
1.4027

■ 75.5870, 86.4982,
103.4848

■ 25.0514, 13.1364,
1.2152

■ 78.7119, 91.5774,
108.1354

Harmonies

Analogous

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



38.2399, 31.1709, 34.8627



37.1857, 31.1709, 24.4788



34.0531, 31.1709, 18.1885

Triad

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



37.1857, 31.1709, 24.4788



23.4411, 31.1709, 23.2267



29.3088, 31.1709, 61.9282

Complementary

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



37.1857, 31.1709, 24.4788



40.2240, 49.7941, 64.6181

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.



25.6021, 31.1709, 56.8685



37.1857, 31.1709, 24.4788



22.4154, 31.1709, 33.0333

Square

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



37.1857, 31.1709, 24.4788



26.1072, 31.1709, 17.5917



23.1690, 31.1709, 45.5698



33.4497, 31.1709, 58.1686

Rectangle

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



37.1857, 31.1709, 24.4788



31.3440, 31.1709, 16.2905



23.1690, 31.1709, 45.5698



27.9739, 31.1709, 61.1814

Sweetspot

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



37.1865, 31.1724, 24.4794



83.0614, 82.7296, 84.2275



43.0700, 32.4556, 58.7609



17.4881, 17.2885, 17.4326



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.



37.1865, 31.1724, 24.4794



56.5515, 44.2796, 30.4739



43.1357, 43.0707, 26.4625



11.2707, 11.3303, 11.6724



15.7922, 8.3174, 0.7731



0.8359, 0.4715, 0.0470

Inverse Universe

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



40.2240, 49.7941, 64.6181



62.3043, 79.6110, 106.6904



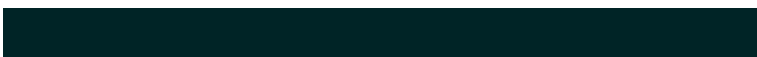
32.7571, 34.8604, 62.1292



11.4776, 12.5956, 14.3966



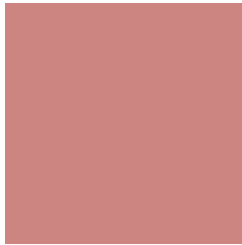
18.5542, 26.1324, 40.0224



0.9767, 1.3871, 2.0712

Previews

White Background



This preview shows how the XYZ color 37.1857, 31.1709, 24.4788 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 37.1857, 31.1709, 24.4788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

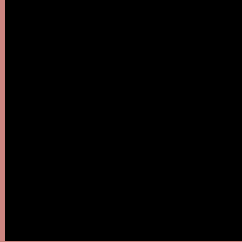
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1857, 31.1709, 24.4788

Background



This preview shows how black text looks on a background with the XYZ color 37.1857, 31.1709, 24.4788.



This preview shows how white text looks on a background with the XYZ color 37.1857, 31.1709,

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

37.1857, 31.1709, 24.4788

Protanopia

29.6825, 31.2085, 28.1263

Deuteranopia

31.9493, 31.2942, 24.0951



Tritanopia

38.1009, 31.1348, 29.2008

Trichromacy



Original Color

37.1857, 31.1709, 24.4788

Protanomaly

31.9555, 30.7817, 26.8115

Deuteranomaly

33.6053, 31.0212, 24.2952

Tritanomaly

37.8720, 31.2592, 27.3301

Monochromacy



Original Color

37.1857, 31.1709, 24.4788

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.4030, 31.3728, 31.1358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1857, 31.1709, 24.4788 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(204, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 133, 128)  
}
```

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(204, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 133, 128) }
```

Border

The CSS property to change the border of an element to XYZ 37.1857, 31.1709, 24.4788 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(204, 133, 128) }
```


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

```
.border{ border-color:rgb(204, 133, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 133, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 133,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1857, 31.1709, 24.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 133, 128) }
```

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

```
.background{ background-color: rgb(204,  
133, 128) }
```

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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