

Converting Colors

XYZ(36.8861, 31.7211, 21.2546)

Have a look what the booklet for
XYZ(36.8861, 31.7211, 21.2546)
contains.

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Color

**XYZ(36.9760, 31.7537,
21.3198)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8876
RGB	204, 136, 118
RGB Percent	80%, 53%, 46%
CMY	0.2000, 0.4666, 0.5372
CMYK	0.00, 0.33, 0.42, 0.20
HSL	13°, 46%, 63%
HSV	13°, 42%, 80%
XYZ	36.9760, 31.7537, 21.3198
YIQ	154.2800, 46.3060, 8.8180

Conversions

Conversions Part 2

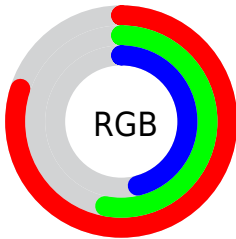
Format	Color
RYB	204, 141, 118
Decimal	13404278
CIELab	63.14, 23.89, 20.31
CIElCh	63, 31.354, 40.370
Yxy	31.7537, 0.4106, 0.3526
Android (android.graphics.Color)	4291594358 (0xFFCC8876)
YUV	154.2800, -17.8860, 43.6044
Hunter-Lab	56.3504, 18.5148, 17.0133

Details

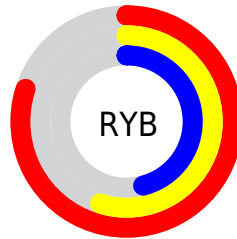
The XYZ color **36.9760, 31.7537, 21.3198** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.9284, 43.3272, 63.5960**, and the grayscale version is **30.9008, 32.5101, 35.4035**.

A 20% lighter version of the original color is **66.9092, 60.9892, 46.2758**, and **16.4659, 13.3008, 7.4938** is the 20% darker color. If you saturate the color by 10%, you get **33.7892, 27.1149, 14.9096**, and if you desaturate by 10%, it is **40.7684, 37.1842, 29.2259**.

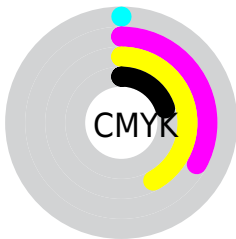
Distribution



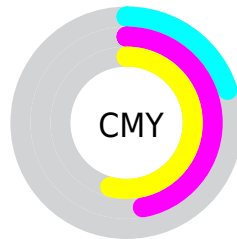
- Red (80%)
- Green (53%)
- Blue (46%)



- Red (80%)
- Yellow (55%)
- Blue (46%)



- Cyan (0%)
- Magenta (33%)
- Yellow (42%)
- Black (20%)



- Cyan (20%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9760, 31.7537, 21.3198 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 36.9760, 31.7537, 21.3198 by changing the saturation by 10% instead.


 36.9760, 31.7537,
21.3198


 36.9760, 31.7537,
21.3198


324.5639,
309.9957, 271.8099

 25.3625, 21.1734,
13.1644

 69.8499, 62.4248,
46.5068

 16.4775, 13.2508,
7.4098


 91.8411, 83.2844,
64.3756

 9.9557, 7.6015,
3.6374


 118.0222,
108.3392, 86.3193

 5.4316, 3.8410,
1.4286

148.7585,
137.9737, 112.7564

 2.5400, 1.5850,
0.1639

184.4155,
172.5722, 144.1054

 0.9155, 0.3475,
0.0000

225.3585,

 0.0000, 0.0000,

212.5191, 180.7850

0.0000

271.9529,
258.1988, 223.2136

■ 36.9760, 31.7537,
21.3198

■ 36.9760, 31.7537,
21.3198

■ 33.7892, 27.1149,
14.9096

■ 40.7684, 37.1842,
29.2259

■ 31.1734, 23.2258,
9.8985

■ 45.1939, 43.4364,
38.7126

■ 29.0938, 20.0477,
6.1811


■ 50.2811, 50.5446,
49.8606


■ 27.5108, 17.5361,
3.6362


■ 56.0559, 58.5396,
62.7443


■ 26.3787, 15.6414,
2.1191

■ 62.5432, 67.4508,
77.4339

 25.7551, 14.5440,
1.4498

 69.7664, 77.3060,
93.9953

 76.7995, 87.7527,
107.4979

 78.7118, 91.5773,
108.1354

Harmonies

Analogous

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



39.1300, 31.7537, 30.4589



36.9760, 31.7537, 21.3198



33.0640, 31.7537, 16.6331

Triad

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



36.9760, 31.7537, 21.3198



23.0012, 31.7537, 27.1695



31.7040, 31.7537, 63.7189

Complementary

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



36.9760, 31.7537, 21.3198



35.9284, 43.3272, 63.5960

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.



27.4705, 31.7537, 62.2336



36.9760, 31.7537, 21.3198



22.7123, 31.7537, 39.0448

Square

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



36.9760, 31.7537, 21.3198



25.1048, 31.7537, 19.4089



24.2739, 31.7537, 52.4248



35.8989, 31.7537, 56.0983

Rectangle

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



36.9760, 31.7537, 21.3198



30.1272, 31.7537, 15.7973



24.2739, 31.7537, 52.4248



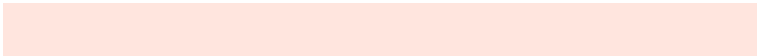
30.2348, 31.7537, 64.3052

Sweetspot

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



36.9768, 31.7553, 21.3204



82.3660, 82.4484, 80.5749



40.3286, 29.3738, 50.4457



17.2112, 17.0641, 16.3241



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.



36.9768, 31.7553, 21.3204



56.1954, 45.2533, 25.1582



44.1321, 46.0659, 23.7055



11.3995, 11.5879, 11.7153



16.2658, 9.2645, 0.9309



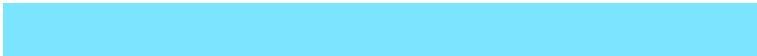
0.8955, 0.5907, 0.0668

Inverse Universe

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



35.9284, 43.3272, 63.5960



54.1812, 66.9384, 104.6725



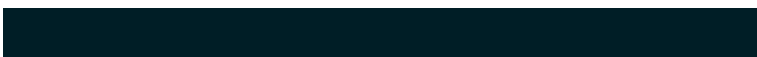
28.3136, 28.0975, 61.0577



11.3361, 12.3127, 14.3495



14.9829, 18.9898, 38.8320



0.8243, 1.0824, 2.0204

Previews

White Background



This preview shows how the XYZ color 36.9760, 31.7537, 21.3198 looks on a white background.

Color Contrast Check

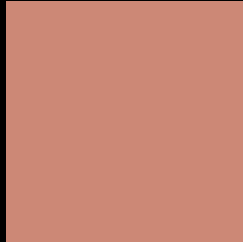
Large Text (above 18pt) WCAG AA × Fail

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 36.9760, 31.7537, 21.3198 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 36.9760, 31.7537, 21.3198

Background



This preview shows how black text looks on a background with the XYZ color 36.9760, 31.7537, 21.3198.



This preview shows how white text looks on a background with the XYZ color 36.9760, 31.7537,

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

36.9760, 31.7537, 21.3198

Protanopia

30.0574, 31.9702, 24.3253

Deuteranopia

32.4085, 31.8317, 20.9590



Tritanopia

38.5873, 31.5773, 29.6524

Trichromacy



Original Color

36.9760, 31.7537, 21.3198

Protanomaly

32.1403, 31.6446, 23.1529

Deuteranomaly

34.0196, 31.7481, 21.1646

Tritanomaly

37.7980, 31.4476, 26.2681

Monochromacy



Original Color

36.9760, 31.7537, 21.3198

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.2547, 31.5612, 29.5912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9760, 31.7537, 21.3198 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, 136, 118)` looks like.

```
.text, #text, p{  
    color:rgb(204, 136, 118)  
}
```

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, 136, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 136, 118) }
```

Border

The CSS property to change the border of an element to XYZ 36.9760, 31.7537, 21.3198 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, 136, 118) }
```


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

```
.border{ border-color:rgb(204, 136, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 136, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 136, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 136, 118);  
box-shadow:4px 4px 4px 4px rgb(204, 136,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9760, 31.7537, 21.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 136, 118) }
```

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

```
.background{ background-color: rgb(204,  
136, 118) }
```

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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