

Converting Colors

XYZ(31.2253, 30.8128, 27.7419)

Have a look what the booklet for
XYZ(31.2253, 30.8128, 27.7419)
contains.

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Color

**XYZ(31.3004, 30.8814,
27.6035)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9288
RGB	170, 146, 136
RGB Percent	67%, 57%, 53%
CMY	0.3333, 0.4274, 0.4667
CMYK	0.00, 0.14, 0.20, 0.33
HSL	18°, 17%, 60%
HSV	18°, 20%, 67%
XYZ	31.3004, 30.8814, 27.6035
YIQ	152.0360, 17.5140, 1.9780

Conversions

Conversions Part 2

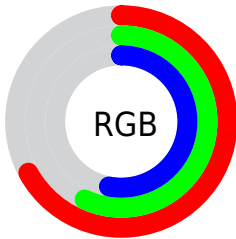
Format	Color
RYB	170, 150, 136
Decimal	11178632
CIELab	62.41, 7.32, 8.61
CIELCh	62, 11.297, 49.618
Yxy	30.8814, 0.3486, 0.3439
Android (android.graphics.Color)	4289368712 (0xFFAA9288)
YUV	152.0360, -7.9057, 15.7544
Hunter-Lab	55.5710, 3.2909, 9.4489

Details

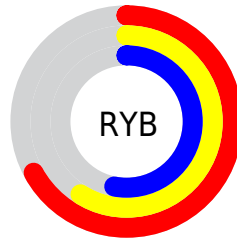
The XYZ color **31.3004, 30.8814, 27.6035** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9796, 33.2773, 42.8736**, and the grayscale version is **29.8890, 31.4455, 34.2442**.

A 20% lighter version of the original color is **61.2036, 61.1514, 56.7217**, and **13.1987, 12.8195, 10.5829** is the 20% darker color. If you saturate the color by 10%, you get **28.4334, 26.9299, 21.1524**, and if you desaturate by 10%, it is **34.5549, 35.3007, 35.1299**.

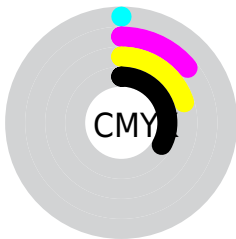
Distribution



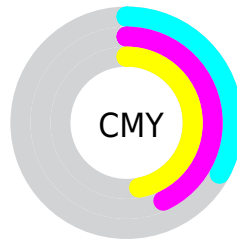
- Red (67%)
- Green (57%)
- Blue (53%)



- Red (67%)
- Yellow (59%)
- Blue (53%)



- Cyan (0%)
- Magenta (14%)
- Yellow (20%)
- Black (33%)



- Cyan (33%)
- Magenta (43%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3004, 30.8814, 27.6035 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 31.3004, 30.8814, 27.6035 by changing the saturation by 10% instead.

■ 31.3004, 30.8814,
27.6035

■ 31.3004, 30.8814,
27.6035

299.7221,
305.9916, 304.4195

■ 20.9806, 20.5086,
17.7906

■ 61.0853, 61.0533,
56.8662

■ 13.2222, 12.7653,
10.6318

■ 81.2812, 81.6211,
77.1531

■ 7.6598, 7.2671,
5.7088

■ 105.4999,
106.3561, 101.7684

■ 3.9280, 3.6297,
2.6029

134.1067,
135.6426, 131.1306

■ 1.6615, 1.4687,
0.8940

167.4669,
169.8650, 165.6583

■ 0.4320, 0.2665,
0.0000

205.9460,

■ 0.0000, 0.0000,

209.4077, 205.7699

0.0000

249.9093,
254.6551, 251.8842

■ 31.3004, 30.8814,
27.6035

■ 31.3004, 30.8814,
27.6035

■ 28.4334, 26.9299,
21.1524

■ 34.5549, 35.3007,
35.1299

■ 25.9365, 23.4264,
15.7253

■ 38.2084, 40.1982,
43.7760

■ 23.7943, 20.3558,
11.2695

■ 42.2753, 45.5896,
53.5859

■ 21.9898, 17.7009,
7.7266

■ 46.7682, 51.4883,
64.6008

■ 20.5040, 15.4427,
5.0321

■ 51.6994, 57.9073,
76.8599

■ 19.3162, 13.5611,
3.1129

■ 57.0804, 64.8591,
90.4006

■ 18.4024, 12.0336,
1.8831

■ 62.9225, 72.3557,
105.2574

■ 17.7190, 10.8288,
1.1563

■ 66.3772, 79.2651,
106.4090

■ 17.7190, 10.8288,
1.1563

■ 70.0661, 86.6430,
107.6386

Harmonies

Analogous

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



32.2126, 30.8814, 30.8731



31.3004, 30.8814, 27.6035



29.8855, 30.8814, 25.9959

Triad

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



31.3004, 30.8814, 27.6035



26.5508, 30.8814, 32.1282



30.3512, 30.8814, 42.2063

Complementary

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



31.3004, 30.8814, 27.6035



29.9796, 33.2773, 42.8736

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.



28.8246, 30.8814, 42.6164



31.3004, 30.8814, 27.6035



26.6657, 30.8814, 36.5349

Square

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



31.3004, 30.8814, 27.6035



27.1664, 30.8814, 28.4536



27.4859, 30.8814, 40.4632



31.6515, 30.8814, 39.3870

Rectangle

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



31.3004, 30.8814, 27.6035



28.8628, 30.8814, 25.9794



27.4859, 30.8814, 40.4632



29.8464, 30.8814, 42.6393

Sweetspot

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



31.3012, 30.8828, 27.6041



65.1874, 67.4015, 69.5968



31.7593, 28.7057, 37.2933



14.4459, 14.9084, 15.3053



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.3012, 30.8828, 27.6041



54.3997, 52.7495, 44.6570



34.0540, 36.3883, 28.5217



7.7043, 7.8887, 7.9059



13.0774, 8.0520, 0.8649



0.3618, 0.2832, 0.0356

Inverse Universe

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



29.9796, 33.2773, 42.8736



51.5583, 57.8890, 77.4582



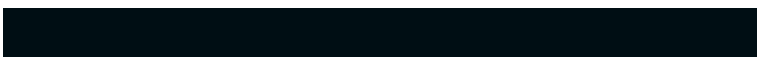
27.2870, 27.8921, 41.9760



7.5584, 8.1537, 9.5938



10.3266, 12.1133, 29.7693



0.2923, 0.3768, 0.7380

Previews

White Background



This preview shows how the XYZ color 31.3004, 30.8814, 27.6035 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 31.3004, 30.8814, 27.6035 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

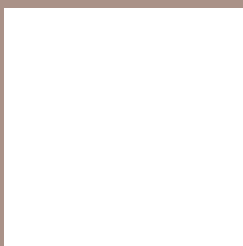
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3004, 30.8814, 27.6035

Background



This preview shows how black text looks on a background with the XYZ color 31.3004, 30.8814, 27.6035.



This preview shows how white text looks on a background with the XYZ color 31.3004, 30.8814,

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

31.3004, 30.8814, 27.6035

Protanopia

29.3984, 30.8158, 28.4433

Deuteranopia

31.5174, 30.9933, 27.6137



Tritanopia

32.6685, 30.7487, 34.7851

Trichromacy



Original Color

31.3004, 30.8814, 27.6035

Protanomaly

30.1631, 30.9824, 28.0573

Deuteranomaly

31.5174, 30.9933, 27.6137

Tritanomaly

32.0343, 30.7110, 31.8432

Monochromacy



Original Color

31.3004, 30.8814, 27.6035

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3927, 31.2589, 31.6258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3004, 30.8814, 27.6035 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(170, 146, 136)` looks like.

```
.text, #text, p{  
    color:rgb(170, 146, 136)  
}
```

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(170, 146, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 146, 136) }
```

Border

The CSS property to change the border of an element to XYZ 31.3004, 30.8814, 27.6035 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(170, 146, 136) }
```


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

```
.border{ border-color:rgb(170, 146, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 146, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 146, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 146, 136);  
box-shadow:4px 4px 4px 4px rgb(170, 146,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3004, 30.8814, 27.6035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 146, 136) }
```

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

```
.background{ background-color: rgb(170,  
146, 136) }
```

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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