

Converting Colors

XYZ(29.6128, 31.6512, 17.3805)

Have a look what the booklet for
XYZ(29.6128, 31.6512, 17.3805)
contains.

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Color

**XYZ(29.6128, 31.6512,
17.3805)**

Conversions

Conversions Part 1

Format	Color
Hex	A79867
RGB	167, 152, 103
RGB Percent	65%, 60%, 40%
CMY	0.3451, 0.4039, 0.5961
CMYK	0.00, 0.09, 0.38, 0.35
HSL	46°, 27%, 53%
HSV	46°, 38%, 65%
XYZ	29.6128, 31.6512, 17.3805
YIQ	150.8990, 24.6690, -12.0590

Conversions

Conversions Part 2

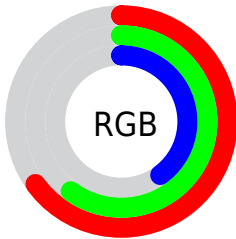
Format	Color
RYB	123, 167, 103
Decimal	10983527
CIELab	63.05, -1.79, 27.81
CIElCh	63, 27.865, 93.676
Yxy	31.6512, 0.3765, 0.4025
Android (android.graphics.Color)	4289173607 (0xFFA79867)
YUV	150.8990, -23.6142, 14.1206
Hunter-Lab	56.2594, -4.4984, 21.0648

Details

The XYZ color **29.6128, 31.6512, 17.3805** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.0469, 18.6300, 39.1514**, and the grayscale version is **29.4633, 30.9977, 33.7564**.

A 20% lighter version of the original color is **58.4191, 62.1971, 39.9366**, and **12.2827, 13.1606, 5.5073** is the 20% darker color. If you saturate the color by 10%, you get **28.2325, 30.1007, 13.1899**, and if you desaturate by 10%, it is **31.1831, 33.3135, 22.4611**.

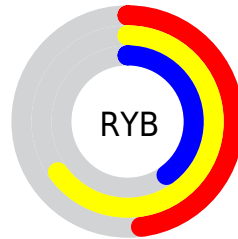
Distribution



Red (65%)

Green (60%)

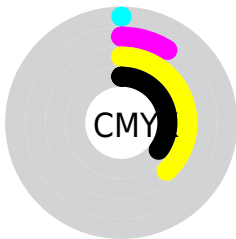
Blue (40%)



Red (48%)

Yellow (65%)

Blue (40%)

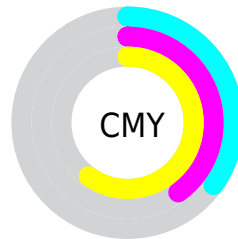


Cyan (0%)

Magenta (9%)

Yellow (38%)

Black (35%)



Cyan (35%)

Magenta (40%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6128, 31.6512, 17.3805 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 29.6128, 31.6512, 17.3805 by changing the saturation by 10% instead.

■ 29.6128, 31.6512,
17.3805

■ 29.6128, 31.6512,
17.3805

292.0378,
309.5273, 249.4734

■ 19.6915, 21.0952,
10.3413

■ 58.4401, 62.2639,
39.7784

■ 12.2779, 13.1936,
5.5173

■ 78.0769, 83.0894,
55.9742

■ 7.0068, 7.5620,
2.4899

■ 101.6828,
108.1068, 76.0594

■ 3.5127, 3.8160,
0.8348

■ 129.6233,
137.7006, 100.4523

■ 1.4303, 1.5712,
0.0000

162.2637,
172.2552, 129.5717

■ 0.2777, 0.3380,
0.0000

199.9693,

■ 0.0000, 0.0000,

212.1549, 163.8359

0.0000

243.1055,
257.7841, 203.6637

■ 29.6128, 31.6512,
17.3805

■ 29.6128, 31.6512,
17.3805

■ 28.2325, 30.1007,
13.1899

■ 31.1831, 33.3135,
22.4611

■ 27.0296, 28.6532,
9.8346

■ 32.9504, 35.0874,
28.4784

■ 25.9936, 27.3053,
7.2567

■ 34.9242, 36.9780,
35.4778

■ 25.1117, 26.0517,
5.3902

■ 37.1127, 38.9890,
43.5015

■ 24.3691, 24.8860,
4.1579

■ 39.5236, 41.1236,
52.5891

■ 23.7396, 23.7974,
3.4226

■ 42.1641, 43.3852,
62.7780

■ 23.6385, 23.6197,
3.3132

■ 45.0413, 45.7769,
74.1039

■ 48.1617, 48.3014,
86.6008

■ 51.5317, 50.9617,
100.3014

Harmonies

Analogous

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



33.4764, 31.6512, 18.7775



29.6128, 31.6512, 17.3805



26.1740, 31.6512, 19.6961

Triad

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



29.6128, 31.6512, 17.3805



24.3503, 31.6512, 47.5617



37.1951, 31.6512, 44.7110

Complementary

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



29.6128, 31.6512, 17.3805



19.0469, 18.6300, 39.1514

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.



34.3642, 31.6512, 55.2144



29.6128, 31.6512, 17.3805



26.9280, 31.6512, 57.0908

Square

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



29.6128, 31.6512, 17.3805



23.3032, 31.6512, 35.8358



30.5592, 31.6512, 60.1517



38.0659, 31.6512, 33.1253

Rectangle

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



29.6128, 31.6512, 17.3805



24.5206, 31.6512, 23.3976



30.5592, 31.6512, 60.1517



36.4300, 31.6512, 48.5603

Sweetspot

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



29.6136, 31.6527, 17.3812



61.4912, 65.2292, 59.7476



24.1167, 19.2483, 19.8974



13.6566, 14.4981, 12.9996



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.6136, 31.6527, 17.3812



50.9102, 54.3102, 24.6432



29.0296, 35.1962, 18.0959



7.9957, 8.4714, 8.0030



18.1271, 18.1514, 2.5482



0.4764, 0.5124, 0.0738

Inverse Universe

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



19.0469, 18.6300, 39.1514



29.2718, 27.6573, 69.2709



19.4334, 16.4129, 38.7031



7.2692, 7.5753, 9.4974



5.9283, 3.3169, 28.3033



0.1817, 0.1557, 0.7011

Previews

White Background



This preview shows how the XYZ color 29.6128, 31.6512, 17.3805 looks on a white background.

Color Contrast Check

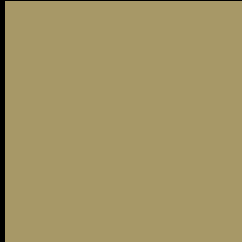
Large Text (above 18pt) WCAG AA × Fail

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 29.6128, 31.6512, 17.3805 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 29.6128, 31.6512, 17.3805

Background



This preview shows how black text looks on a background with the XYZ color 29.6128, 31.6512, 17.3805.



This preview shows how white text looks on a background with the XYZ color 29.6128, 31.6512,

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

29.6128, 31.6512, 17.3805

Protanopia

29.3565, 31.7611, 17.4152

Deuteranopia

32.0690, 31.5023, 17.4870



Tritanopia

33.4448, 31.5694, 36.2291

Trichromacy



Original Color

29.6128, 31.6512, 17.3805

Protanomaly

29.5653, 31.8687, 17.4250

Deuteranomaly

31.2201, 31.5264, 17.5364

Tritanomaly

31.8998, 31.6439, 28.0935

Monochromacy



Original Color

29.6128, 31.6512, 17.3805

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2743, 31.0225, 26.9993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6128, 31.6512, 17.3805 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(167, 152, 103)` looks like.

```
.text, #text, p{  
    color:rgb(167, 152, 103)  
}
```

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(167, 152, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 152, 103) }
```

Border

The CSS property to change the border of an element to XYZ 29.6128, 31.6512, 17.3805 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(167, 152, 103) }
```


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

```
.border{ border-color:rgb(167, 152, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 152, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 152, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 152, 103);  
box-shadow:4px 4px 4px 4px rgb(167, 152,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6128, 31.6512, 17.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 152, 103) }
```

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

```
.background{ background-color: rgb(167,  
152, 103) }
```

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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