

Converting Colors

XYZ(28.8081, 31.6028, 21.2272)

Have a look what the booklet for
XYZ(28.8081, 31.6028, 21.2272)
contains.

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Color

**XYZ(28.8085, 31.6413,
21.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9A74
RGB	158, 154, 116
RGB Percent	62%, 60%, 45%
CMY	0.3804, 0.3961, 0.5451
CMYK	0.00, 0.03, 0.27, 0.38
HSL	54°, 18%, 54%
HSV	54°, 27%, 62%
XYZ	28.8085, 31.6413, 21.1120
YIQ	150.8640, 14.5820, -10.9700

Conversions

Conversions Part 2

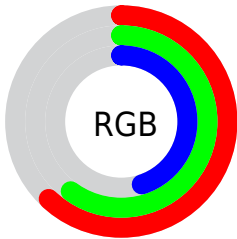
Format	Color
RYB	120, 158, 116
Decimal	10394228
CIELab	63.05, -4.85, 20.53
CIELCh	63, 21.091, 103.289
Yxy	31.6413, 0.3532, 0.3879
Android (android.graphics.Color)	4288584308 (0xFF9E9A74)
YUV	150.8640, -17.1880, 6.2583
Hunter-Lab	56.2506, -7.0206, 17.1227

Details

The XYZ color **28.8085, 31.6413, 21.1120** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.0903, 19.6139, 35.0747**, and the grayscale version is **29.4247, 30.9571, 33.7123**.

A 20% lighter version of the original color is **57.0643, 62.0850, 46.0218**, and **11.8072, 13.1699, 7.2299** is the 20% darker color. If you saturate the color by 10%, you get **27.7203, 30.8126, 16.5942**, and if you desaturate by 10%, it is **30.0578, 32.5416, 26.4555**.

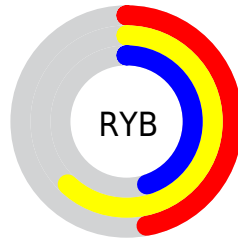
Distribution



Red (62%)

Green (60%)

Blue (45%)



Red (47%)

Yellow (62%)

Blue (45%)

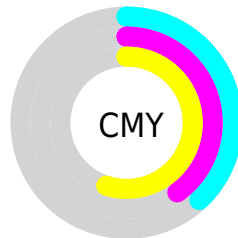


Cyan (0%)

Magenta (3%)

Yellow (27%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8085, 31.6413, 21.1120 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 28.8085, 31.6413, 21.1120 by changing the saturation by 10% instead.

■ 28.8085, 31.6413,
21.1120

■ 28.8085, 31.6413,
21.1120

288.3209,
309.4820, 270.6737

■ 19.0796, 21.0877,
13.0139

■ 57.1724, 62.2483,
46.1571

■ 11.8321, 13.1881,
7.3072

■ 76.5380, 83.0705,
63.9411

■ 6.7009, 7.5582,
3.5736

■ 99.8465, 108.0844,
85.7908

■ 3.3204, 3.8136,
1.3945

127.4634,
137.6742, 112.1247

■ 1.3254, 1.5698,
0.1374

159.7539,
172.2245, 143.3614

■ 0.2021, 0.3371,
0.0000

197.0834,

■ 0.0000, 0.0000,

212.1197, 179.9195

0.0000

239.8173,
257.7440, 222.2174

■ 28.8085, 31.6413,
21.1120

■ 28.8085, 31.6413,
21.1120

■ 27.7203, 30.8126,
16.5942

■ 30.0578, 32.5416,
26.4555

■ 26.7828, 30.0481,
12.8584

■ 31.4731, 33.5121,
32.6615

■ 25.9883, 29.3457,
9.8601

■ 33.0621, 34.5572,
39.7668

■ 25.3272, 28.7016,
7.5493

■ 34.8313, 35.6794,
47.8057

■ 24.7889, 28.1115,
5.8699

■ 36.7869, 36.8811,
56.8104

■ 24.3610, 27.5704,
4.7570

■ 38.9348, 38.1649,
66.8120

■ 24.0252, 27.0711,
4.1141

■ 41.2805, 39.5328,
77.8397

■ 23.9183, 26.9046,
3.9325

■ 43.8294, 40.9871,
89.9220

■ 46.0670, 42.3220,
100.3487

Harmonies

Analogous

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



31.7088, 31.6413, 21.2909



28.8085, 31.6413, 21.1120



26.4048, 31.6413, 24.0713

Triad

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



28.8085, 31.6413, 21.1120



26.1891, 31.6413, 46.6245



35.7467, 31.6413, 39.2591

Complementary

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



28.8085, 31.6413, 21.1120



20.0903, 19.6139, 35.0747

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.



34.0685, 31.6413, 47.4558



28.8085, 31.6413, 21.1120



28.4966, 31.6413, 52.1545

Square

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



28.8085, 31.6413, 21.1120



24.9595, 31.6413, 38.2610



31.3762, 31.6413, 52.4812



35.8437, 31.6413, 30.9046

Rectangle

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



28.8085, 31.6413, 21.1120



25.3559, 31.6413, 27.7508



31.3762, 31.6413, 52.4812



35.3441, 31.6413, 42.1534

Sweetspot

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



28.8093, 31.6427, 21.1127



56.7297, 60.5716, 57.4316



23.7485, 21.1211, 20.6585



12.7033, 13.5973, 12.5670



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



28.8093, 31.6427, 21.1127



51.0888, 56.5376, 33.2070



26.3979, 31.3950, 21.1919



7.1162, 7.6124, 7.0799



19.1717, 21.5790, 3.1547



0.3569, 0.4140, 0.0611

Inverse Universe

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



20.0903, 19.6139, 35.0747



32.4931, 30.8853, 62.9923



22.0585, 19.9301, 35.0320



6.3330, 6.5318, 8.3337



5.0943, 2.2801, 26.0788



0.1042, 0.0669, 0.4707

Previews

White Background



This preview shows how the XYZ color 28.8085, 31.6413, 21.1120 looks on a white background.

Color Contrast Check

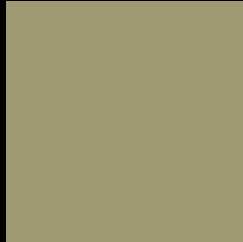
Large Text (above 18pt) WCAG AA × Fail

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 28.8085, 31.6413, 21.1120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

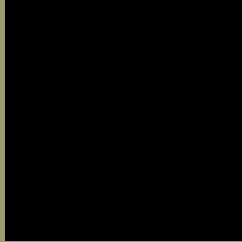
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8085, 31.6413, 21.1120

Background



This preview shows how black text looks on a background with the XYZ color 28.8085, 31.6413, 21.1120.



This preview shows how white text looks on a background with the XYZ color 28.8085, 31.6413,

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

28.8085, 31.6413, 21.1120

Protanopia

29.4270, 31.4808, 20.7451

Deuteranopia

32.1393, 31.4495, 21.5160



Tritanopia

32.0393, 31.5044, 37.6500

Trichromacy



Original Color

28.8085, 31.6413, 21.1120

Protanomaly

29.1837, 31.5973, 20.7804

Deuteranomaly

30.7529, 31.4372, 21.2767

Tritanomaly

30.6383, 31.4034, 30.8322

Monochromacy



Original Color

28.8085, 31.6413, 21.1120

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1421, 31.1615, 28.5236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8085, 31.6413, 21.1120 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(158, 154, 116)` looks like.

```
.text, #text, p{  
    color:rgb(158, 154, 116)  
}
```

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(158, 154, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 154, 116) }
```

Border

The CSS property to change the border of an element to XYZ 28.8085, 31.6413, 21.1120 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(158, 154, 116) }
```


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

```
.border{ border-color:rgb(158, 154, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 154, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 154, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 154, 116);  
box-shadow:4px 4px 4px 4px rgb(158, 154,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8085, 31.6413, 21.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 154, 116) }
```

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

```
.background{ background-color: rgb(158,  
154, 116) }
```

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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