

Converting Colors

XYZ(28.0818, 31.6858, 18.5665)

Have a look what the booklet for
XYZ(28.0818, 31.6858, 18.5665)
contains.

XYZ(28.0855, 31.5721, 18.5237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.0855, 31.5721,
18.5237)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9B6B
RGB	156, 155, 107
RGB Percent	61%, 61%, 42%
CMY	0.3882, 0.3921, 0.5804
CMYK	0.00, 0.01, 0.31, 0.39
HSL	59°, 20%, 52%
HSV	59°, 31%, 61%
XYZ	28.0855, 31.5721, 18.5237
YIQ	149.8270, 16.0040, -14.7160

Conversions

Conversions Part 2

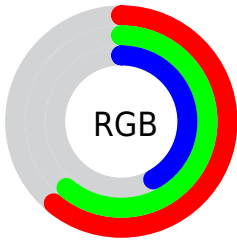
Format	Color
RYB	108, 156, 107
Decimal	10263403
CIELab	62.99, -7.43, 25.37
CIELCh	63, 26.432, 106.333
Yxy	31.5721, 0.3592, 0.4038
Android (android.graphics.Color)	4288453483 (0xFF9C9B6B)
YUV	149.8270, -21.1137, 5.4137
Hunter-Lab	56.1891, -9.1095, 19.7864

Details

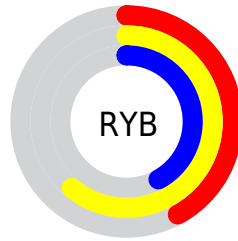
The XYZ color **28.0855, 31.5721, 18.5237** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4267, 16.2509, 33.6709**, and the grayscale version is **28.9986, 30.5088, 33.2241**.

A 20% lighter version of the original color is **55.9224, 61.9530, 41.8116**, and **11.4487, 13.1595, 6.0743** is the 20% darker color. If you saturate the color by 10%, you get **27.2853, 31.1688, 14.5667**, and if you desaturate by 10%, it is **29.0355, 32.0378, 23.2620**.

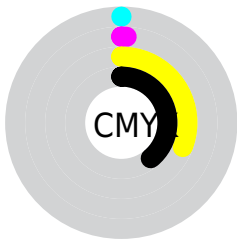
Distribution



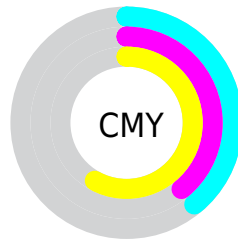
- Red (61%)
- Green (61%)
- Blue (42%)



- Red (42%)
- Yellow (61%)
- Blue (42%)



- Cyan (0%)
- Magenta (1%)
- Yellow (31%)
- Black (39%)



- Cyan (39%)
- Magenta (39%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0855, 31.5721, 18.5237 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 28.0855, 31.5721, 18.5237 by changing the saturation by 10% instead.

■ 28.0855, 31.5721,
18.5237

■ 28.0855, 31.5721,
18.5237

284.9479,
309.1654, 256.1410

■ 18.5309, 21.0349,
11.1533

■ 56.0286, 62.1397,
41.7536

■ 11.4338, 13.1495,
6.0546

■ 75.1478, 82.9388,
58.4502

■ 6.4288, 7.5316,
2.8090

■ 98.1860, 107.9274,
79.0927

■ 3.1507, 3.7967,
0.9979

■ 125.5084,
137.4898, 104.0995

■ 1.2339, 1.5605,
0.0000

157.4804,
172.0104, 133.8891

■ 0.1329, 0.3308,
0.0000

194.4675,

■ 0.0000, 0.0000,

211.8736, 168.8803

0.0000

236.8348,
257.4638, 209.4914

■ 28.0855, 31.5721,
18.5237

■ 28.0855, 31.5721,
18.5237

■ 27.2853, 31.1688,
14.5667

■ 29.0355, 32.0378,
23.2620

■ 26.6247, 30.8204,
11.3470

■ 30.1403, 32.5645,
28.8184

■ 26.0955, 30.5248,
8.8194


■ 31.4076, 33.1565,
35.2298


■ 25.6883, 30.2782,
6.9329


■ 32.8439, 33.8163,
42.5303


■ 25.3919, 30.0761,
5.6295


■ 34.4553, 34.5463,
50.7521


 25.1933, 29.9134,
4.8405

 36.2475, 35.3489,
59.9257

 25.0735, 29.7941,
4.4293

 38.2262, 36.2263,
70.0803

 40.3966, 37.1806,
81.2439

 42.7638, 38.2139,
93.4434

Harmonies

Analogous

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



31.6902, 31.5721, 18.3646



28.0855, 31.5721, 18.5237



25.2313, 31.5721, 22.3254

Triad

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



28.0855, 31.5721, 18.5237



25.4366, 31.5721, 50.9836



37.3247, 31.5721, 39.3264

Complementary

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



28.0855, 31.5721, 18.5237



17.4267, 16.2509, 33.6709

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.



35.3532, 31.5721, 50.1322



28.0855, 31.5721, 18.5237



28.3870, 31.5721, 57.7247

Square

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



28.0855, 31.5721, 18.5237



23.7886, 31.5721, 40.3183



32.0170, 31.5721, 57.3850



37.2275, 31.5721, 29.0494

Rectangle

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



28.0855, 31.5721, 18.5237



24.0514, 31.5721, 26.9514



32.0170, 31.5721, 57.3850



36.8755, 31.5721, 43.0540

Sweetspot

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



28.0863, 31.5735, 18.5244



55.2308, 59.3757, 54.8037



21.7089, 18.6800, 16.8266



12.0873, 13.0343, 11.7266



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.0863, 31.5735, 18.5244



49.9188, 56.7963, 28.2332



24.2365, 29.8361, 18.3919



7.1586, 7.6972, 7.0941



20.6560, 24.5476, 3.6495



0.3726, 0.4454, 0.0663

Inverse Universe

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



17.4267, 16.2509, 33.6709



27.3008, 24.2849, 60.3753



20.4443, 17.6514, 33.7822



6.2950, 6.4558, 8.3210



4.9743, 2.0402, 26.0388



0.0918, 0.0421, 0.4665

Previews

White Background



This preview shows how the XYZ color 28.0855, 31.5721, 18.5237 looks on a white background.

Color Contrast Check

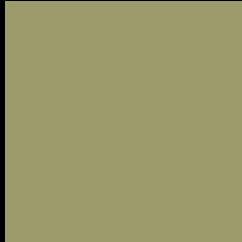
Large Text (above 18pt) WCAG AA × Fail

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 28.0855, 31.5721, 18.5237 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

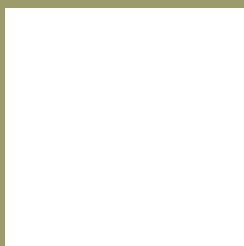
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0855, 31.5721, 18.5237

Background



This preview shows how black text looks on a background with the XYZ color 28.0855, 31.5721, 18.5237.



This preview shows how white text looks on a background with the XYZ color 28.0855, 31.5721,

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

28.0855, 31.5721, 18.5237

Protanopia

29.3468, 31.4964, 18.1683

Deuteranopia

32.0953, 31.4857, 18.8537



Tritanopia

31.8354, 31.3993, 37.6405

Trichromacy



Original Color

28.0855, 31.5721, 18.5237

Protanomaly

28.8930, 31.5045, 18.1938

Deuteranomaly

30.4675, 31.3483, 18.6324

Tritanomaly

30.3715, 31.5299, 29.6844

Monochromacy



Original Color

28.0855, 31.5721, 18.5237

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.4802, 30.8531, 27.0084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0855, 31.5721, 18.5237 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(156, 155, 107)` looks like.

```
.text, #text, p{  
    color:rgb(156, 155, 107)  
}
```

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(156, 155, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 155, 107) }
```

Border

The CSS property to change the border of an element to XYZ 28.0855, 31.5721, 18.5237 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(156, 155, 107) }
```


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

```
.border{ border-color:rgb(156, 155, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 155, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 155, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 155, 107);  
box-shadow:4px 4px 4px 4px rgb(156, 155,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0855, 31.5721, 18.5237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 155, 107) }
```

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

```
.background{ background-color: rgb(156,  
155, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor