

Converting Colors

XYZ(28.1652, 31.3148, 23.7476)

Have a look what the booklet for
XYZ(28.1652, 31.3148, 23.7476)
contains.

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Color

**XYZ(28.1426, 31.2418,
23.6158)**

Conversions

Conversions Part 1

Format	Color
Hex	989A7C
RGB	152, 154, 124
RGB Percent	60%, 60%, 49%
CMY	0.4039, 0.3961, 0.5137
CMYK	0.01, 0.00, 0.19, 0.40
HSL	64°, 13%, 55%
HSV	64°, 19%, 60%
XYZ	28.1426, 31.2418, 23.6158
YIQ	149.9820, 8.4380, -9.7540

Conversions

Conversions Part 2

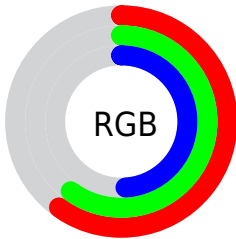
Format	Color
RYB	124, 154, 126
Decimal	10001020
CIELab	62.71, -6.02, 15.54
CIELCh	63, 16.668, 111.158
Yxy	31.2418, 0.3391, 0.3764
Android (android.graphics.Color)	4288191100 (0xFF989A7C)
YUV	149.9820, -12.8091, 1.7698
Hunter-Lab	55.8944, -7.9411, 14.0756

Details

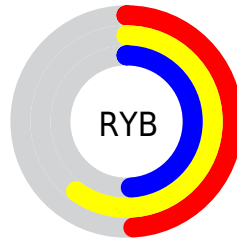
The XYZ color **28.1426, 31.2418, 23.6158** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.6457, 21.1848, 33.5217**, and the grayscale version is **29.0326, 30.5445, 33.2630**.

A 20% lighter version of the original color is **55.9453, 61.4079, 50.4992**, and **11.4871, 12.9752, 8.5556** is the 20% darker color. If you saturate the color by 10%, you get **27.0525, 30.7847, 18.8719**, and if you desaturate by 10%, it is **29.3882, 31.7634, 29.1623**.

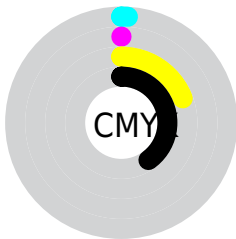
Distribution



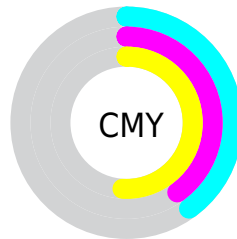
- Red (60%)
- Green (60%)
- Blue (49%)



- Red (49%)
- Yellow (60%)
- Blue (49%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (40%)



- Cyan (40%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1426, 31.2418, 23.6158 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 28.1426, 31.2418, 23.6158 by changing the saturation by 10% instead.

■ 28.1426, 31.2418,
23.6158

■ 28.1426, 31.2418,
23.6158

285.2154,
307.6507, 284.0960

■ 18.5742, 20.7830,
14.8393

■ 56.1191, 61.6206,
50.3385

■ 11.4652, 12.9655,
8.5613

■ 75.2579, 82.3094,
69.1217

■ 6.4502, 7.4048,
4.3633

■ 98.3175, 107.1769,
92.0776

■ 3.1640, 3.7165,
1.8267

125.6633,
136.6077, 119.6247

■ 1.2411, 1.5163,
0.4455

157.6606,
170.9861, 152.1816

■ 0.1384, 0.3001,
0.0000

194.6748,

■ 0.0000, 0.0000,

210.6965, 190.1667

0.0000

237.0713,
256.1232, 233.9987

■ 28.1426, 31.2418,
23.6158

■ 28.1426, 31.2418,
23.6158

■ 27.0525, 30.7847,
18.8719

■ 29.3882, 31.7634,
29.1623

■ 26.1083, 30.3851,
14.8914

■ 30.7933, 32.3480,
35.5441

■ 25.3033, 30.0413,
11.6352

■ 32.3650, 32.9994,
42.7944

■ 24.6292, 29.7501,
9.0594

■ 34.1093, 33.7200,
50.9442

■ 24.0768, 29.5078,
7.1159

■ 36.0315, 34.5120,
60.0228

■ 23.6356, 29.3101,
5.7498

■ 38.1371, 35.3776,
70.0582

■ 23.2937, 29.1523,
4.8973

■ 40.4313, 36.3187,
81.0773

■ 23.0229, 29.0233,
4.4115

■ 42.9188, 37.3374,
93.1059

■ 23.0093, 29.0167,
4.3881

■ 44.3555, 37.9360,
99.5923

Harmonies

Analogous

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



30.3722, 31.2418, 23.0743



28.1426, 31.2418, 23.6158



26.4144, 31.2418, 26.7460

Triad

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



28.1426, 31.2418, 23.6158



27.0333, 31.2418, 44.7430



34.2322, 31.2418, 35.9802

Complementary

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



28.1426, 31.2418, 23.6158



21.6457, 21.1848, 33.5217

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.



33.2352, 31.2418, 42.4990



28.1426, 31.2418, 23.6158



29.0267, 31.2418, 47.9658

Square

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



28.1426, 31.2418, 23.6158



25.7971, 31.2418, 38.7445



31.3022, 31.2418, 47.0959



33.9657, 31.2418, 29.6906

Rectangle

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



28.1426, 31.2418, 23.6158



25.7421, 31.2418, 30.1275



31.3022, 31.2418, 47.0959



34.0319, 31.2418, 38.2276

Sweetspot

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



28.1434, 31.2432, 23.6165



54.2080, 58.0414, 56.6970



24.4264, 23.2478, 22.2691



12.2362, 13.1234, 12.6813



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.



28.1434, 31.2432, 23.6165



50.3007, 56.4082, 39.2984



25.5113, 29.8863, 23.4933



6.6682, 7.2019, 6.6445



18.7571, 23.6455, 3.5754



0.2910, 0.3589, 0.0539

Inverse Universe

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



21.6457, 21.1848, 33.5217



36.4783, 35.0102, 60.3713



24.0258, 22.4118, 33.6331



5.9208, 6.0450, 7.7837



4.8693, 1.9613, 25.0296



0.0817, 0.0339, 0.3746

Previews

White Background



This preview shows how the XYZ color 28.1426, 31.2418, 23.6158 looks on a white background.

Color Contrast Check

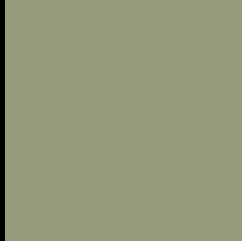
Large Text (above 18pt) WCAG AA × Fail

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 28.1426, 31.2418, 23.6158 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

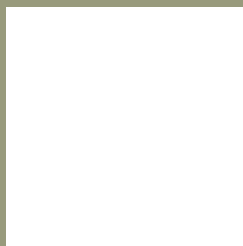
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1426, 31.2418, 23.6158

Background



This preview shows how black text looks on a background with the XYZ color 28.1426, 31.2418, 23.6158.



This preview shows how white text looks on a background with the XYZ color 28.1426, 31.2418,

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

28.1426, 31.2418, 23.6158

Protanopia

29.3397, 31.1403, 23.2032

Deuteranopia

31.7240, 31.1781, 24.0846



Tritanopia

31.0851, 31.2362, 38.1090

Trichromacy



Original Color

28.1426, 31.2418, 23.6158

Protanomaly

28.9039, 31.1556, 23.2291

Deuteranomaly

30.3855, 31.1911, 23.8210

Tritanomaly

29.9295, 31.2399, 32.4694

Monochromacy



Original Color

28.1426, 31.2418, 23.6158

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6368, 30.6356, 29.6032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1426, 31.2418, 23.6158 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(152, 154, 124)` looks like.

```
.text, #text, p{  
    color:rgb(152, 154, 124)  
}
```

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(152, 154, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 154, 124) }
```

Border

The CSS property to change the border of an element to XYZ 28.1426, 31.2418, 23.6158 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(152, 154, 124) }
```


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

```
.border{ border-color:rgb(152, 154, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 154, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 154, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 154, 124);  
box-shadow:4px 4px 4px 4px rgb(152, 154,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1426, 31.2418, 23.6158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 154, 124) }
```

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

```
.background{ background-color: rgb(152,  
154, 124) }
```

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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