

Converting Colors

XYZ(28.3210, 30.8551, 23.2018)

Have a look what the booklet for
XYZ(28.3210, 30.8551, 23.2018)
contains.

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Color

**XYZ(28.3210, 30.8551,
23.2018)**

Conversions

Conversions Part 1

Format	Color
Hex	9B987B
RGB	155, 152, 123
RGB Percent	61%, 60%, 48%
CMY	0.3922, 0.4039, 0.5176
CMYK	0.00, 0.02, 0.21, 0.39
HSL	54°, 14%, 55%
HSV	54°, 21%, 61%
XYZ	28.3210, 30.8551, 23.2018
YIQ	149.5910, 11.0970, -8.3830

Conversions

Conversions Part 2

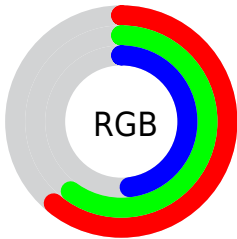
Format	Color
RYB	126, 155, 123
Decimal	10197115
CIELab	62.39, -3.91, 15.69
CIElCh	62, 16.168, 103.987
Yxy	30.8551, 0.3438, 0.3746
Android (android.graphics.Color)	4288387195 (0xFF9B987B)
YUV	149.5910, -13.1094, 4.7437
Hunter-Lab	55.5474, -6.1991, 14.1181

Details

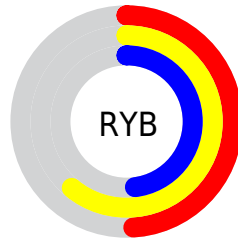
The XYZ color **28.3210, 30.8551, 23.2018** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.5456, 21.4988, 34.0248**, and the grayscale version is **28.8673, 30.3707, 33.0737**.

A 20% lighter version of the original color is **56.4861, 60.9788, 49.8673**, and **11.5986, 12.7448, 8.3272** is the 20% darker color. If you saturate the color by 10%, you get **27.1927, 30.0301, 18.4117**, and if you desaturate by 10%, it is **29.6075, 31.7500, 28.8034**.

Distribution



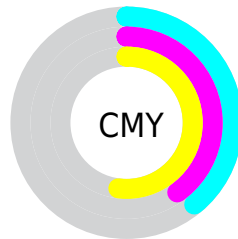
- Red (61%)
- Green (60%)
- Blue (48%)



- Red (49%)
- Yellow (61%)
- Blue (48%)



- Cyan (0%)
- Magenta (2%)
- Yellow (21%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3210, 30.8551, 23.2018 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 28.3210, 30.8551, 23.2018 by changing the saturation by 10% instead.

■ 28.3210, 30.8551,
23.2018

■ 28.3210, 30.8551,
23.2018

286.0500,
305.8702, 281.9152

■ 18.7095, 20.4885,
14.5359

■ 56.4016, 61.0119,
49.6519

■ 11.5633, 12.7507,
8.3513

■ 75.6014, 81.5709,
68.2731

■ 6.5171, 7.2571,
4.2296

■ 98.7279, 106.2961,
91.0498

■ 3.2056, 3.6234,
1.7521

126.1466,
135.5720, 118.4006

■ 1.2634, 1.4652,
0.3961

158.2228,
169.7830, 150.7440

■ 0.1556, 0.2640,
0.0000

195.3219,

■ 0.0000, 0.0000,

209.3134, 188.4986

0.0000

237.8091,
254.5477, 232.0828

■ 28.3210, 30.8551,
23.2018

■ 28.3210, 30.8551,
23.2018

■ 27.1927, 30.0301,
18.4117

■ 29.6075, 31.7500,
28.8034

■ 26.2129, 29.2681,
14.3932

■ 31.0565, 32.7136,
35.2499

■ 25.3747, 28.5673,
11.1058

■ 32.6751, 33.7496,
42.5755

■ 24.6694, 27.9243,
8.5047

■ 34.4694, 34.8606,
50.8118

■ 24.0877, 27.3352,
6.5401

■ 36.4450, 36.0487,
59.9887

■ 23.6188, 26.7958,
5.1556

■ 38.6075, 37.3163,
70.1348

■ 23.2500, 26.3009,
4.2847

■ 40.9619, 38.6654,
81.2776

■ 22.9668, 25.8668,
3.7823

■ 43.5135, 40.0981,
93.4434

■ 45.0352, 41.1236,
100.1718

Harmonies

Analogous

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



30.5036, 30.8551, 23.2881



28.3210, 30.8551, 23.2018



26.4991, 30.8551, 25.6461

Triad

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



28.3210, 30.8551, 23.2018



26.4008, 30.8551, 42.6846



33.5625, 30.8551, 37.0330

Complementary

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



28.3210, 30.8551, 23.2018



21.5456, 21.4988, 34.0248

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.



32.3489, 30.8551, 43.0392



28.3210, 30.8551, 23.2018



28.1807, 30.8551, 46.5691

Square

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



28.3210, 30.8551, 23.2018



25.4284, 30.8551, 36.5953



30.3562, 30.8551, 46.7064



33.6047, 30.8551, 30.7652

Rectangle

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



28.3210, 30.8551, 23.2018



25.7037, 30.8551, 28.5805



30.3562, 30.8551, 46.7064



33.2754, 30.8551, 39.1663

Sweetspot

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



28.3218, 30.8565, 23.2025



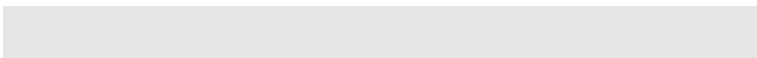
54.1613, 57.6259, 56.6193



24.3797, 22.6464, 22.8930



12.2246, 13.0203, 12.6620



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.



28.3218, 30.8565, 23.2025



49.7074, 54.5287, 37.2207



26.4865, 30.6416, 23.2577



6.6595, 7.1240, 6.6299



18.4617, 20.8057, 3.0429



0.2885, 0.3360, 0.0496

Inverse Universe

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



21.5456, 21.4988, 34.0248



35.2300, 34.5372, 60.3458



23.1206, 21.7504, 33.9903



5.9287, 6.1148, 7.7968



4.8977, 2.1921, 25.0727



0.0840, 0.0543, 0.3784

Previews

White Background



This preview shows how the XYZ color 28.3210, 30.8551, 23.2018 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 28.3210, 30.8551, 23.2018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

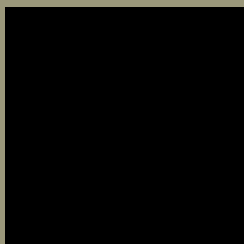
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3210, 30.8551, 23.2018

Background



This preview shows how black text looks on a background with the XYZ color 28.3210, 30.8551, 23.2018.



This preview shows how white text looks on a background with the XYZ color 28.3210, 30.8551,

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

28.3210, 30.8551, 23.2018

Protanopia

28.9164, 30.6914, 22.8123

Deuteranopia

31.4427, 30.8200, 23.3604



Tritanopia

31.1889, 30.8442, 37.1106

Trichromacy



Original Color

28.3210, 30.8551, 23.2018

Protanomaly

28.6800, 30.8075, 22.8472

Deuteranomaly

30.3764, 30.9599, 23.4436

Tritanomaly

30.0363, 30.8393, 31.5636

Monochromacy



Original Color

28.3210, 30.8551, 23.2018

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7491, 30.7021, 29.2218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3210, 30.8551, 23.2018 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(155, 152, 123)` looks like.

```
.text, #text, p{  
    color:rgb(155, 152, 123)  
}
```

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(155, 152, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 152, 123) }
```

Border

The CSS property to change the border of an element to XYZ 28.3210, 30.8551, 23.2018 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(155, 152, 123) }
```


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

```
.border{ border-color:rgb(155, 152, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 152, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 152, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 152, 123);  
box-shadow:4px 4px 4px 4px rgb(155, 152,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3210, 30.8551, 23.2018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 152, 123) }
```

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

```
.background{ background-color: rgb(155,  
152, 123) }
```

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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