

Converting Colors

XYZ(23.0331, 27.8968, 17.4962)

Have a look what the booklet for
XYZ(23.0331, 27.8968, 17.4962)
contains.

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Color

**XYZ(23.1321, 28.0587,
17.5613)**

Conversions

Conversions Part 1

Format	Color
Hex	849769
RGB	132, 151, 105
RGB Percent	52%, 59%, 41%
CMY	0.4824, 0.4078, 0.5882
CMYK	0.13, 0.00, 0.30, 0.41
HSL	85°, 18%, 50%
HSV	85°, 30%, 59%
XYZ	23.1321, 28.0587, 17.5613
YIQ	140.0750, 3.4420, -18.3340

Conversions

Conversions Part 2

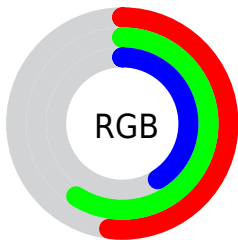
Format	Color
RYB	105, 151, 124
Decimal	8689513
CIELab	59.94, -15.16, 22.07
CIElCh	60, 26.774, 124.492
Yxy	28.0587, 0.3365, 0.4081
Android (android.graphics.Color)	4286879593 (0xFF849769)
YUV	140.0750, -17.2920, -7.0818
Hunter-Lab	52.9705, -14.7477, 17.4229

Details

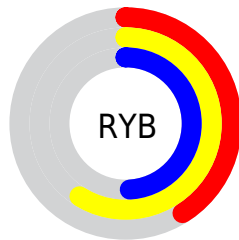
The XYZ color **23.1321, 28.0587, 17.5613** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.9509, 16.6235, 31.4896**, and the grayscale version is **25.0212, 26.3242, 28.6671**.

A 20% lighter version of the original color is **48.1668, 56.5361, 40.2722**, and **8.7754, 11.2036, 5.5709** is the 20% darker color. If you saturate the color by 10%, you get **21.4776, 27.2885, 13.7860**, and if you desaturate by 10%, it is **24.9842, 28.9166, 22.0664**.

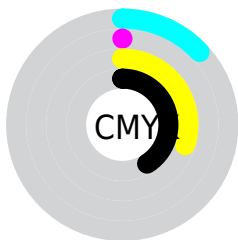
Distribution



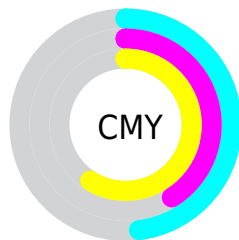
- Red (52%)
- Green (59%)
- Blue (41%)



- Red (41%)
- Yellow (59%)
- Blue (49%)



- Cyan (13%)
- Magenta (0%)
- Yellow (30%)
- Black (41%)



- Cyan (48%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1321, 28.0587, 17.5613 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 23.1321, 28.0587, 17.5613 by changing the saturation by 10% instead.

■ 23.1321, 28.0587,
17.5613

■ 23.1321, 28.0587,
17.5613

260.9254,
292.7473, 250.5391

■ 14.8123, 18.3699,
10.4693

■ 48.0752, 56.5781,
40.0921

■ 8.7732, 11.2159,
5.6016

■ 65.4292, 76.1776,
56.3681

■ 4.6495, 6.2122,
2.5395

■ 86.5254, 99.8494,
76.5424

■ 2.0757, 2.9746,
0.8610

■ 111.7290,
127.9779, 101.0337

■ 0.6760, 1.1185,
0.0000

141.4055,
160.9476, 130.2605

■ 0.0000, 0.0000,
0.0000

175.9201,

199.1428, 164.6413

215.6383,
242.9479, 204.5946

■ 23.1321, 28.0587,
17.5613

■ 23.1321, 28.0587,
17.5613

■ 21.4776, 27.2885,
13.7860

■ 24.9842, 28.9166,
22.0664

■ 20.0103, 26.5988,
10.7004

■ 27.0396, 29.8617,
27.3352

■ 18.7218, 25.9872,
8.2629


■ 29.3062, 30.8982,
33.4015


■ 17.6023, 25.4496,
6.4270


■ 31.7908, 32.0291,
40.2966


■ 16.6408, 24.9814,
5.1399


■ 34.5001, 33.2569,
48.0503


 15.8241, 24.5773,
4.3397

 37.4402, 34.5844,
56.6906

 15.1510, 24.2397,
3.8802

 40.6172, 36.0141,
66.2444

 44.0368, 37.5482,
76.7376

 47.7044, 39.1891,
88.1947

Harmonies

Analogous

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



26.1597, 28.0587, 15.4171



23.1321, 28.0587, 17.5613



21.1880, 28.0587, 23.1702

Triad

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



23.1321, 28.0587, 17.5613



23.9489, 28.0587, 50.7797



33.7393, 28.0587, 29.1067

Complementary

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



23.1321, 28.0587, 17.5613



18.9509, 16.6235, 31.4896

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.



33.0219, 28.0587, 39.3536



23.1321, 28.0587, 17.5613



27.1848, 28.0587, 53.3030

Square

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



23.1321, 28.0587, 17.5613



21.6308, 28.0587, 42.4409



30.5491, 28.0587, 48.7478



32.4344, 28.0587, 21.1194

Rectangle

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



23.1321, 28.0587, 17.5613



20.6710, 28.0587, 28.7874



30.5491, 28.0587, 48.7478



33.7275, 28.0587, 32.3856

Sweetspot

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



23.1328, 28.0599, 17.5619



48.9218, 53.7048, 50.2652



22.4461, 21.8656, 16.4025



10.9994, 12.1515, 11.1095



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.1328, 28.0599, 17.5619



39.2350, 49.2292, 26.4039



19.9981, 26.4439, 17.4152



6.4620, 7.0956, 6.6349



12.9215, 20.6372, 3.3023



0.2344, 0.3298, 0.0513

Inverse Universe

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



18.9509, 16.6235, 31.4896



30.4457, 25.1837, 55.6899



22.5639, 18.4860, 31.6587



6.1141, 6.1447, 7.7928



6.4934, 2.7985, 25.1056



0.1370, 0.0624, 0.3772

Previews

White Background



This preview shows how the XYZ color 23.1321, 28.0587, 17.5613 looks on a white background.

Color Contrast Check

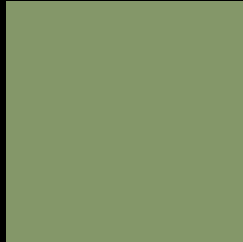
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1321, 28.0587, 17.5613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

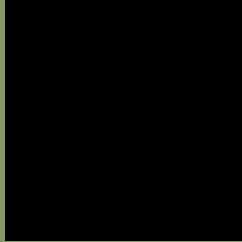
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1321, 28.0587, 17.5613

Background



This preview shows how black text looks on a background with the XYZ color 23.1321, 28.0587, 17.5613.



This preview shows how white text looks on a background with the XYZ color 23.1321, 28.0587,

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

23.1321, 28.0587, 17.5613

Protanopia

25.8891, 27.8744, 16.5862

Deuteranopia

28.3728, 27.8057, 18.0590



Tritanopia

26.7736, 28.1401, 35.4729

Trichromacy



Original Color

23.1321, 28.0587, 17.5613

Protanomaly

24.9145, 28.0498, 16.9330

Deuteranomaly

26.1866, 27.7744, 17.8907

Tritanomaly

25.1024, 27.9078, 27.7306

Monochromacy



Original Color

23.1321, 28.0587, 17.5613

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.1206, 26.7972, 23.9798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1321, 28.0587, 17.5613 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(132, 151, 105)` looks like.

```
.text, #text, p{  
    color:rgb(132, 151, 105)  
}
```

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(132, 151, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 151, 105) }
```

Border

The CSS property to change the border of an element to XYZ 23.1321, 28.0587, 17.5613 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(132, 151, 105) }
```


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

```
.border{ border-color:rgb(132, 151, 105) }
```

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

Here you see how a box with a 4 pixel rgb(132, 151, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 151, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 151, 105);  
box-shadow:4px 4px 4px 4px rgb(132, 151,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1321, 28.0587, 17.5613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 151, 105) }
```

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

```
.background{ background-color: rgb(132,  
151, 105) }
```

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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