

Converting Colors

XYZ(23.6835, 28.6236, 21.1993)

Have a look what the booklet for
XYZ(23.6835, 28.6236, 21.1993)
contains.

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Color

**XYZ(23.6450, 28.4867,
21.0819)**

Conversions

Conversions Part 1

Format	Color
Hex	829875
RGB	130, 152, 117
RGB Percent	51%, 60%, 46%
CMY	0.4902, 0.4039, 0.5412
CMYK	0.14, 0.00, 0.23, 0.40
HSL	98°, 15%, 53%
HSV	98°, 23%, 60%
XYZ	23.6450, 28.4867, 21.0819
YIQ	141.4320, -1.8770, -15.5490

Conversions

Conversions Part 2

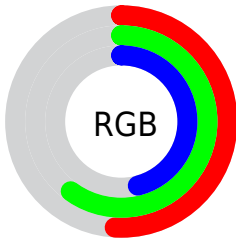
Format	Color
RYB	117, 152, 139
Decimal	8558709
CIELab	60.33, -14.53, 15.89
CIElCh	60, 21.532, 132.430
Yxy	28.4867, 0.3230, 0.3891
Android (android.graphics.Color)	4286748789 (0xFF829875)
YUV	141.4320, -12.0450, -10.0259
Hunter-Lab	53.3729, -14.3245, 13.9420

Details

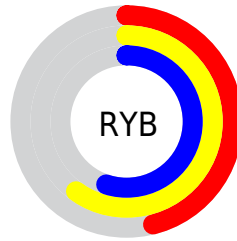
The XYZ color **23.6450, 28.4867, 21.0819** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.6776, 20.4795, 32.4651**, and the grayscale version is **25.5342, 26.8639, 29.2548**.

A 20% lighter version of the original color is **48.7612, 57.0745, 45.9826**, and **9.0361, 11.4425, 7.3626** is the 20% darker color. If you saturate the color by 10%, you get **21.4248, 27.4380, 16.6856**, and if you desaturate by 10%, it is **26.1480, 29.6661, 26.2503**.

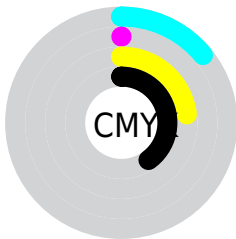
Distribution



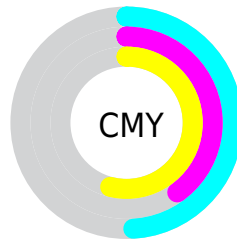
- Red (51%)
- Green (60%)
- Blue (46%)



- Red (46%)
- Yellow (60%)
- Blue (55%)



- Cyan (14%)
- Magenta (0%)
- Yellow (23%)
- Black (40%)



- Cyan (49%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6450, 28.4867, 21.0819 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 23.6450, 28.4867, 21.0819 by changing the saturation by 10% instead.

■ 23.6450, 28.4867,
21.0819

■ 23.6450, 28.4867,
21.0819

263.4947,
294.7853, 270.5088

■ 15.1938, 18.6929,
12.9921

■ 48.9092, 57.2605,
46.1064

■ 9.0427, 11.4486,
7.2924

■ 66.4529, 77.0093,
63.8781

■ 4.8264, 6.3694,
3.5644

■ 87.7581, 100.8453,
85.7141

■ 2.1795, 3.0710,
1.3896

113.1902,
129.1527, 112.0331

■ 0.7319, 1.1689,
0.1336

143.1145,
162.3160, 143.2535

■ 0.0000, 0.0361,
0.0000

177.8965,

■ 0.0000, 0.0000,

200.7196, 179.7939

0.0000

217.9014,
244.7479, 222.0728

■ 23.6450, 28.4867,
21.0819

■ 23.6450, 28.4867,
21.0819

■ 21.4248, 27.4380,
16.6856

■ 26.1480, 29.6661,
26.2503

■ 19.4745, 26.5116,
13.0224

■ 28.9416, 30.9770,
32.2233

■ 17.7833, 25.7038,
10.0529

■ 32.0362, 32.4247,
39.0340

■ 16.3390, 25.0091,
7.7331

■ 35.4408, 34.0134,
46.7131

■ 15.1281, 24.4216,
6.0143

■ 39.1640, 35.7468,
55.2897

■ 14.1355, 23.9349,
4.8404

■ 43.2143, 37.6287,
64.7914

■ 13.3440, 23.5414,
4.1452

■ 47.5995, 39.6626,
75.2449

■ 12.8849, 23.3115,
3.8205

■ 52.3276, 41.8518,
86.6756

■ 57.4059, 44.1999,
99.1080

Harmonies

Analogous

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



25.9475, 28.4867, 18.3980



23.6450, 28.4867, 21.0819



22.3172, 28.4867, 26.6444

Triad

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



23.6450, 28.4867, 21.0819



25.5024, 28.4867, 47.9141



32.6063, 28.4867, 27.8540

Complementary

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



23.6450, 28.4867, 21.0819



22.6776, 20.4795, 32.4651

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.



32.4668, 28.4867, 35.8440



23.6450, 28.4867, 21.0819



28.2363, 28.4867, 48.3879

Square

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



23.6450, 28.4867, 21.0819



23.3383, 28.4867, 42.4653



30.8233, 28.4867, 43.6668



31.1923, 28.4867, 21.8371

Rectangle

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



23.6450, 28.4867, 21.0819



22.1040, 28.4867, 31.6672



30.8233, 28.4867, 43.6668



32.7421, 28.4867, 30.3761

Sweetspot

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



23.6457, 28.4879, 21.0825



48.9928, 53.6950, 52.3667



25.3334, 26.3058, 20.5724



11.0765, 12.1765, 11.7761



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.



23.6457, 28.4879, 21.0825



39.5118, 49.2314, 32.7648



22.0216, 27.6223, 22.2875



6.3381, 7.0317, 6.6291



10.8351, 19.5616, 3.2047



0.2000, 0.3121, 0.0497

Inverse Universe

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



22.6776, 20.4795, 32.4651



37.4729, 32.3835, 56.7093



24.6500, 21.5343, 30.8412



6.2387, 6.2089, 7.7986



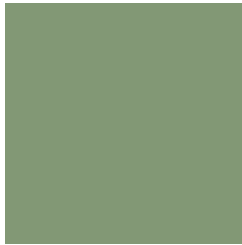
8.7924, 3.9837, 25.2132



0.1714, 0.0801, 0.3788

Previews

White Background



This preview shows how the XYZ color 23.6450, 28.4867, 21.0819 looks on a white background.

Color Contrast Check

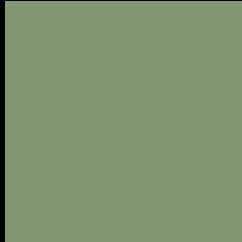
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6450, 28.4867, 21.0819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

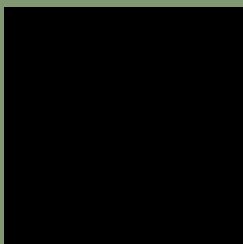
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6450, 28.4867, 21.0819

Background



This preview shows how black text looks on a background with the XYZ color 23.6450, 28.4867, 21.0819.



This preview shows how white text looks on a background with the XYZ color 23.6450, 28.4867,

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

23.6450, 28.4867, 21.0819

Protanopia

26.6802, 28.4343, 20.0018

Deuteranopia

28.9167, 28.4371, 21.7341



Tritanopia

26.6038, 28.2606, 36.4004

Trichromacy



Original Color

23.6450, 28.4867, 21.0819

Protanomaly

25.5385, 28.5286, 20.3802

Deuteranomaly

26.6295, 28.1485, 21.4824

Tritanomaly

25.3793, 28.2313, 30.0982

Monochromacy



Original Color

23.6450, 28.4867, 21.0819

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.6068, 27.2351, 25.7898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6450, 28.4867, 21.0819 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(130, 152, 117)` looks like.

```
.text, #text, p{  
    color:rgb(130, 152, 117)  
}
```

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(130, 152, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 152, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.6450, 28.4867, 21.0819 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(130, 152, 117) }
```


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

```
.border{ border-color:rgb(130, 152, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 152, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 152, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 152, 117);  
box-shadow:4px 4px 4px 4px rgb(130, 152,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6450, 28.4867, 21.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 152, 117) }
```

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

```
.background{ background-color: rgb(130,  
152, 117) }
```

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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