

Converting Colors

XYZ(24.4223, 28.2639, 15.8558)

Have a look what the booklet for
XYZ(24.4223, 28.2639, 15.8558)
contains.

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Color

**XYZ(24.5012, 28.3250,
15.9803)**

Conversions

Conversions Part 1

Format	Color
Hex	909563
RGB	144, 149, 99
RGB Percent	56%, 58%, 39%
CMY	0.4353, 0.4157, 0.6118
CMYK	0.03, 0.00, 0.34, 0.42
HSL	66°, 20%, 49%
HSV	66°, 34%, 58%
XYZ	24.5012, 28.3250, 15.9803
YIQ	141.8050, 13.0700, -16.6100

Conversions

Conversions Part 2

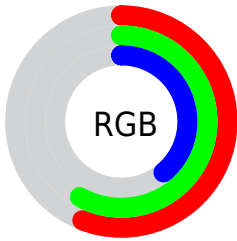
Format	Color
R_{YB}	99, 149, 104
Decimal	9475427
CIE _{Lab}	60.18, -10.15, 25.85
CIE _{LCh}	60, 27.773, 111.443
Yxy	28.3250, 0.3561, 0.4117
Android (android.graphics.Color)	4287665507 (0xFF909563)
YUV	141.8050, -21.1029, 1.9250
Hunter-Lab	53.2212, -10.9620, 19.4523

Details

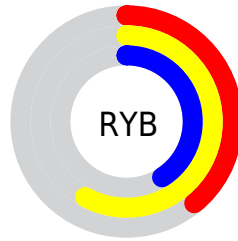
The XYZ color **24.5012, 28.3250, 15.9803** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5966, 14.0374, 30.3228**, and the grayscale version is **25.7118, 27.0508, 29.4583**.

A 20% lighter version of the original color is **50.1497, 56.9196, 37.1976**, and **9.4794, 11.3015, 4.8138** is the 20% darker color. If you saturate the color by 10%, you get **23.5952, 27.9337, 12.5564**, and if you desaturate by 10%, it is **25.5435, 28.7732, 20.0978**.

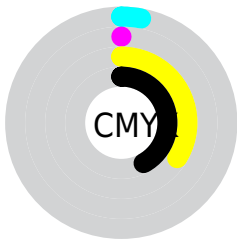
Distribution



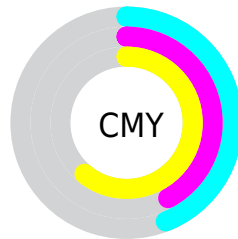
- Red (56%)
- Green (58%)
- Blue (39%)



- Red (39%)
- Yellow (58%)
- Blue (41%)



- Cyan (3%)
- Magenta (0%)
- Yellow (34%)
- Black (42%)



- Cyan (44%)
- Magenta (42%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5012, 28.3250, 15.9803 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 24.5012, 28.3250, 15.9803 by changing the saturation by 10% instead.

■ 24.5012, 28.3250,
15.9803

■ 24.5012, 28.3250,
15.9803

267.7384,
294.0166, 241.0672

■ 15.8326, 18.5708,
9.3560

■ 50.2956, 57.0029,
37.3303

■ 9.4958, 11.3606,
4.8741

■ 68.1521, 76.6954,
52.8931

■ 5.1257, 6.3099,
2.1162

■ 89.8019, 100.4694,
72.2725

■ 2.3567, 3.0344,
0.6254

■ 115.6104,
128.7094, 95.8870

■ 0.8234, 1.1497,
0.0000

145.9430,
161.7997, 124.1552

■ 0.0000, 0.0201,
0.0000

181.1649,

■ 0.0000, 0.0000,

200.1248, 157.4956

0.0000

221.6416,
244.0689, 196.3268

■ 24.5012, 28.3250,
15.9803

■ 24.5012, 28.3250,
15.9803

■ 23.5952, 27.9337,
12.5564

■ 25.5435, 28.7732,
20.0978

■ 22.8161, 27.5926,
9.7863

■ 26.7268, 29.2772,
24.9425

■ 22.1568, 27.2997,
7.6287


■ 28.0579, 29.8407,
30.5476


■ 21.6082, 27.0516,
6.0370


■ 29.5427, 30.4661,
36.9440


■ 21.1604, 26.8442,
4.9578


■ 31.1868, 31.1557,
44.1610

 20.8011, 26.6725,
4.3276

 32.9954, 31.9114,
52.2259

 20.5946, 26.5721,
4.0435

 34.9736, 32.7354,
61.1654

 37.1261, 33.6295,
71.0044

 39.4575, 34.5955,
81.7673

Harmonies

Analogous

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



27.9513, 28.3250, 15.2583



24.5012, 28.3250, 15.9803



21.9258, 28.3250, 20.1837

Triad

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



24.5012, 28.3250, 15.9803



22.8848, 28.3250, 48.8087



34.2578, 28.3250, 33.8446

Complementary

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



24.5012, 28.3250, 15.9803



15.5966, 14.0374, 30.3228

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.



32.6250, 28.3250, 44.7127



24.5012, 28.3250, 15.9803



25.9184, 28.3250, 54.5140

Square

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



24.5012, 28.3250, 15.9803



21.0512, 28.3250, 38.5602



29.4974, 28.3250, 52.8695



33.7940, 28.3250, 24.2277

Rectangle

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



24.5012, 28.3250, 15.9803



20.9515, 28.3250, 25.0246



29.4974, 28.3250, 52.8695



33.9311, 28.3250, 37.4955

Sweetspot

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



24.5019, 28.3263, 15.9809



48.6313, 52.7553, 47.8791



19.5978, 17.1918, 14.0902



10.7122, 11.6637, 10.3378



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



24.5019, 28.3263, 15.9809



42.6762, 50.2066, 24.0501



20.6083, 26.3190, 15.7987



6.2089, 6.7155, 6.2094



17.3464, 22.3702, 3.4036



0.2256, 0.2807, 0.0423

Inverse Universe

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



15.5966, 14.0374, 30.3228



24.3103, 20.7293, 53.6411



18.9408, 15.7614, 30.4793



5.5502, 5.6591, 7.2695



4.7434, 1.9179, 24.0512



0.0687, 0.0289, 0.2949

Previews

White Background



This preview shows how the XYZ color 24.5012, 28.3250, 15.9803 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 24.5012, 28.3250, 15.9803 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

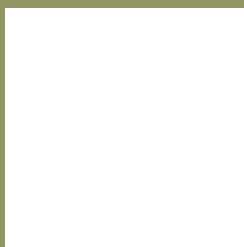
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5012, 28.3250, 15.9803

Background



This preview shows how black text looks on a background with the XYZ color 24.5012, 28.3250, 15.9803.



This preview shows how white text looks on a background with the XYZ color 24.5012, 28.3250,

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

24.5012, 28.3250, 15.9803

Protanopia

26.1877, 28.2820, 15.3880

Deuteranopia

28.8152, 28.2891, 16.2535



Tritanopia

28.1853, 28.2252, 34.0995

Trichromacy



Original Color

24.5012, 28.3250, 15.9803

Protanomaly

25.4324, 28.1150, 15.6416

Deuteranomaly

27.0230, 28.2464, 16.0844

Tritanomaly

26.5718, 28.2402, 26.2407

Monochromacy



Original Color

24.5012, 28.3250, 15.9803

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.2190, 27.5968, 23.7362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5012, 28.3250, 15.9803 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(144, 149, 99)` looks like.

```
.text, #text, p{  
    color:rgb(144, 149, 99)  
}
```

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(144, 149, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 149, 99) }
```

Border

The CSS property to change the border of an element to XYZ 24.5012, 28.3250, 15.9803 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(144, 149, 99) }
```


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

```
.border{ border-color:rgb(144, 149, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 149, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 149, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 149, 99);  
box-shadow:4px 4px 4px 4px rgb(144, 149,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5012, 28.3250, 15.9803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 149, 99) }
```

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

```
.background{ background-color: rgb(144,  
149, 99) }
```

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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