

Converting Colors

XYZ(24.0328, 30.0916, 16.0405)

Have a look what the booklet for
XYZ(24.0328, 30.0916, 16.0405)
contains.

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Color

**XYZ(23.9344, 29.9823,
16.0810)**

Conversions

Conversions Part 1

Format	Color
Hex	859D62
RGB	133, 157, 98
RGB Percent	52%, 62%, 38%
CMY	0.4784, 0.3843, 0.6157
CMYK	0.15, 0.00, 0.38, 0.38
HSL	84°, 23%, 50%
HSV	84°, 38%, 62%
XYZ	23.9344, 29.9823, 16.0810
YIQ	143.0980, 4.6350, -23.4370

Conversions

Conversions Part 2

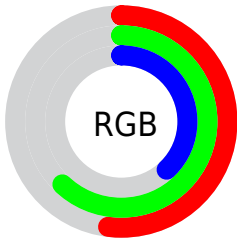
Format	Color
RYB	98, 157, 122
Decimal	8756578
CIELab	61.64, -18.91, 28.14
CIELCh	62, 33.905, 123.898
Yxy	29.9823, 0.3419, 0.4283
Android (android.graphics.Color)	4286946658 (0xFF859D62)
YUV	143.0980, -22.2333, -8.8559
Hunter-Lab	54.7561, -17.7992, 20.9167

Details

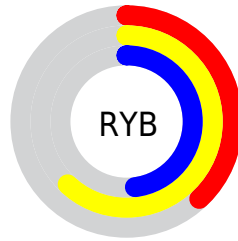
The XYZ color **23.9344, 29.9823, 16.0810** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.4808, 15.3082, 33.8807**, and the grayscale version is **26.2329, 27.5991, 30.0554**.

A 20% lighter version of the original color is **49.4618, 59.8217, 37.3736**, and **9.2094, 12.3322, 4.9126** is the 20% darker color. If you saturate the color by 10%, you get **22.2869, 29.2113, 12.5066**, and if you desaturate by 10%, it is **25.7902, 30.8457, 20.4254**.

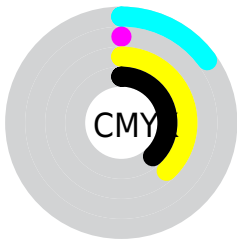
Distribution



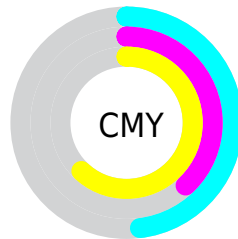
- Red (52%)
- Green (62%)
- Blue (38%)



- Red (38%)
- Yellow (62%)
- Blue (48%)



- Cyan (15%)
- Magenta (0%)
- Yellow (38%)
- Black (38%)



- Cyan (48%)
- Magenta (38%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9344, 29.9823, 16.0810 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 23.9344, 29.9823, 16.0810 by changing the saturation by 10% instead.

■ 23.9344, 29.9823,
16.0810

■ 23.9344, 29.9823,
16.0810

264.9353,
301.8219, 241.6812

■ 15.4094, 19.8252,
9.4265

■ 49.3786, 59.6342,
37.5075

■ 9.1954, 12.2680,
4.9198

■ 67.0285, 79.8977,
53.1166

■ 4.9270, 6.9265,
2.1424

■ 88.4508, 104.2988,
72.5477

■ 2.2388, 3.4162,
0.6408

■ 114.0108,
133.2219, 96.2192

■ 0.7631, 1.3527,
0.0000

144.0739,
167.0514, 124.5498

■ 0.0000, 0.1814,
0.0000

179.0055,

■ 0.0000, 0.0000,

206.1716, 157.9580

0.0000

219.1708,
250.9670, 196.8623

■ 23.9344, 29.9823,
16.0810

■ 23.9344, 29.9823,
16.0810

■ 22.2869, 29.2113,
12.5066

■ 25.7902, 30.8457,
20.4254

■ 20.8358, 28.5249,
9.6554

■ 27.8609, 31.8013,
25.5793

■ 19.5713, 27.9199,
7.4781


■ 30.1556, 32.8538,
31.5818


■ 18.4817, 27.3915,
5.9188


■ 32.6822, 34.0064,
38.4687


■ 17.5533, 26.9343,
4.9124


■ 35.4480, 35.2623,
46.2741


 16.7641, 26.5391,
4.3481

 38.4600, 36.6244,
55.0300

 16.5849, 26.4491,
4.2311

 41.7250, 38.0955,
64.7669

 45.2495, 39.6782,
75.5141

 49.0397, 41.3752,
87.2995

Harmonies

Analogous

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



27.9126, 29.9823, 13.6240



23.9344, 29.9823, 16.0810



21.4053, 29.9823, 22.9026

Triad

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



23.9344, 29.9823, 16.0810



24.8537, 29.9823, 60.3729



38.0418, 29.9823, 30.9883

Complementary

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



23.9344, 29.9823, 16.0810



18.4808, 15.3082, 33.8807

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.



37.0047, 29.9823, 44.8213



23.9344, 29.9823, 16.0810



29.0901, 29.9823, 64.1755

Square

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



23.9344, 29.9823, 16.0810



21.8955, 29.9823, 48.5267



33.6061, 29.9823, 57.8679



36.3083, 29.9823, 20.6732

Rectangle

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



23.9344, 29.9823, 16.0810



20.7232, 29.9823, 30.0790



33.6061, 29.9823, 57.8679



38.0066, 29.9823, 35.3543

Sweetspot

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



23.9352, 29.9836, 16.0816



52.4632, 58.1299, 52.4730



23.0209, 21.8720, 14.5641



11.4315, 12.7394, 11.2505



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.



23.9352, 29.9836, 16.0816



40.3918, 52.5378, 23.3996



19.9599, 27.9343, 15.8956



6.9089, 7.5857, 7.0857



13.5120, 21.5024, 3.4382



0.2887, 0.4087, 0.0637

Inverse Universe

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



18.4808, 15.3082, 33.8807



29.2098, 22.4333, 59.9173



23.2357, 17.7594, 34.1032



6.5275, 6.5604, 8.3289



6.6933, 2.8795, 26.1103



0.1663, 0.0755, 0.4690

Previews

White Background



This preview shows how the XYZ color 23.9344, 29.9823, 16.0810 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 23.9344, 29.9823, 16.0810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

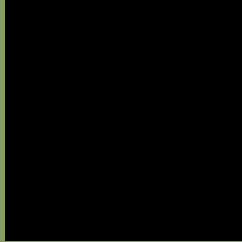
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9344, 29.9823, 16.0810

Background



This preview shows how black text looks on a background with the XYZ color 23.9344, 29.9823, 16.0810.



This preview shows how white text looks on a background with the XYZ color 23.9344, 29.9823,

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

23.9344, 29.9823, 16.0810

Protanopia

27.7133, 30.0025, 15.1569

Deuteranopia

30.3821, 29.7506, 16.4530



Tritanopia

28.3358, 29.8189, 37.9804

Trichromacy



Original Color

23.9344, 29.9823, 16.0810

Protanomaly

26.1021, 29.8803, 15.4581

Deuteranomaly

27.6343, 29.4689, 16.2882

Tritanomaly

26.4631, 29.7804, 28.3982

Monochromacy



Original Color

23.9344, 29.9823, 16.0810

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.0681, 28.2011, 24.2008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9344, 29.9823, 16.0810 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(133, 157, 98)` looks like.

```
.text, #text, p{  
    color:rgb(133, 157, 98)  
}
```

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(133, 157, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 157, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.9344, 29.9823, 16.0810 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(133, 157, 98) }
```


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

```
.border{ border-color:rgb(133, 157, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 157, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 157, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 157, 98);  
box-shadow:4px 4px 4px 4px rgb(133, 157,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9344, 29.9823, 16.0810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 157, 98) }
```

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

```
.background{ background-color: rgb(133,  
157, 98) }
```

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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