

Converting Colors

XYZ(23.5092, 24.9718, 19.8635)

Have a look what the booklet for
XYZ(23.5092, 24.9718, 19.8635)
contains.

XYZ(23.5418, 25.0584, 19.8156)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5418, 25.0584,
19.8156)**

Conversions

Conversions Part 1

Format	Color
Hex	908973
RGB	144, 137, 115
RGB Percent	56%, 54%, 45%
CMY	0.4353, 0.4627, 0.5490
CMYK	0.00, 0.05, 0.20, 0.44
HSL	46°, 12%, 51%
HSV	46°, 20%, 56%
XYZ	23.5418, 25.0584, 19.8156
YIQ	136.5850, 11.2340, -5.3580

Conversions

Conversions Part 2

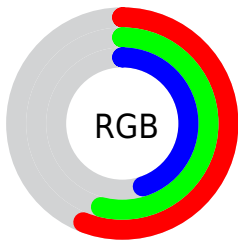
Format	Color
RYB	124, 144, 115
Decimal	9472371
CIELab	57.13, -1.22, 12.75
CIELCh	57, 12.809, 95.465
Yxy	25.0584, 0.3441, 0.3663
Android (android.graphics.Color)	4287662451 (0xFF908973)
YUV	136.5850, -10.6414, 6.5030
Hunter-Lab	50.0584, -3.6559, 11.5709

Details

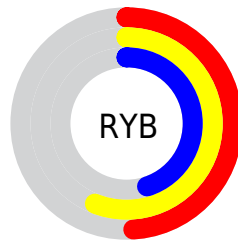
The XYZ color **23.5418, 25.0584, 19.8156** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.0638, 19.5772, 29.1598**, and the grayscale version is **23.6577, 24.8898, 27.1050**.

A 20% lighter version of the original color is **48.6772, 51.6227, 43.9578**, and **8.9355, 9.5488, 6.6823** is the 20% darker color. If you saturate the color by 10%, you get **22.2913, 23.7814, 15.6251**, and if you desaturate by 10%, it is **24.9390, 26.4212, 24.6943**.

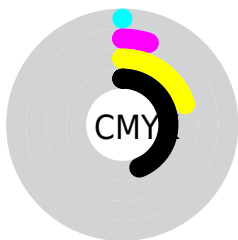
Distribution



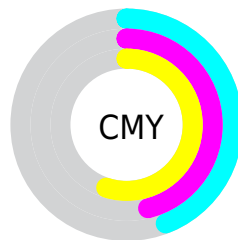
- Red (56%)
- Green (54%)
- Blue (45%)



- Red (49%)
- Yellow (56%)
- Blue (45%)



- Cyan (0%)
- Magenta (5%)
- Yellow (20%)
- Black (44%)



- Cyan (44%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5418, 25.0584, 19.8156 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 23.5418, 25.0584, 19.8156 by changing the saturation by 10% instead.

■ 23.5418, 25.0584,
19.8156

■ 23.5418, 25.0584,
19.8156

262.9794,
278.1287, 263.4862

■ 15.1170, 16.1206,
12.0783

■ 48.7416, 51.7519,
43.9627

■ 8.9884, 9.6095,
6.6739

■ 66.2472, 70.2765,
61.2096

■ 4.7906, 5.1408,
3.1836

■ 87.5106, 92.7653,
82.4635

■ 2.1584, 2.3301,
1.1892

112.8969,
119.6029, 108.1429

■ 0.7207, 0.7896,
0.0000

142.7716,
151.1737, 138.6663

■ 0.0000, 0.0000,
0.0000

177.5000,

187.8619, 174.4523

217.4475,
230.0521, 215.9194

■ 23.5418, 25.0584,
19.8156

■ 23.5418, 25.0584,
19.8156

■ 22.2913, 23.7814,
15.6251

■ 24.9390, 26.4212,
24.6943

■ 21.1794, 22.5843,
12.0895

■ 26.4867, 27.8691,
30.2892

■ 20.2002, 21.4651,
9.1754

■ 28.1909, 29.4054,
36.6287

■ 19.3463, 20.4209,
6.8455

■ 30.0568, 31.0326,
43.7390

■ 18.6100, 19.4481,
5.0586

■ 32.0893, 32.7528,
51.6452

■ 17.9820, 18.5430,
3.7681

■ 34.2930, 34.5681,
60.3712

■ 17.4521, 17.7010,
2.9195

■ 36.6725, 36.4805,
69.9399

■ 16.9977, 16.9213,
2.3703

■ 39.2320, 38.4919,
80.3734

■ 41.9757, 40.6042,
91.6928

Harmonies

Analogous

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



25.0434, 25.0584, 20.3973



23.5418, 25.0584, 19.8156



22.1720, 25.0584, 21.0566

Triad

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



23.5418, 25.0584, 19.8156



21.5298, 25.0584, 32.3990



26.5574, 25.0584, 30.8850

Complementary

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



23.5418, 25.0584, 19.8156



19.0638, 19.5772, 29.1598

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.



25.5419, 25.0584, 34.6328



23.5418, 25.0584, 19.8156



22.6318, 25.0584, 35.5696

Square

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



23.5418, 25.0584, 19.8156



21.0423, 25.0584, 28.0840



24.0949, 25.0584, 36.4273



26.8261, 25.0584, 26.5000

Rectangle

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



23.5418, 25.0584, 19.8156



21.5046, 25.0584, 22.8365



24.0949, 25.0584, 36.4273



26.2901, 25.0584, 32.2751

Sweetspot

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



23.5425, 25.0595, 19.8161



45.0497, 47.6073, 47.3624



21.1610, 19.6024, 21.1623



10.2960, 10.8846, 10.7356



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.5425, 25.0595, 19.8161



40.5314, 43.1995, 31.5867



23.3437, 26.4819, 20.1012



5.7308, 6.0679, 5.7586



14.8205, 14.7727, 2.0703



0.1588, 0.1754, 0.0255

Inverse Universe

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



19.0638, 19.5772, 29.1598



31.2136, 31.7948, 51.0299



19.2266, 18.4313, 28.9301



5.2287, 5.4532, 6.8058



4.9168, 2.8197, 23.2622



0.0619, 0.0568, 0.2274

Previews

White Background



This preview shows how the XYZ color 23.5418, 25.0584, 19.8156 looks on a white background.

Color Contrast Check

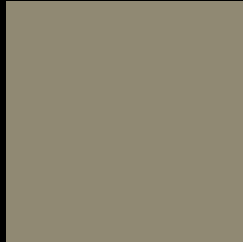
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5418, 25.0584, 19.8156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

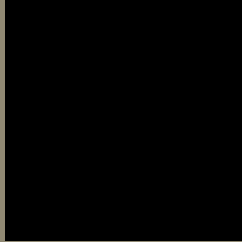
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5418, 25.0584, 19.8156

Background



This preview shows how black text looks on a background with the XYZ color 23.5418, 25.0584, 19.8156.



This preview shows how white text looks on a background with the XYZ color 23.5418, 25.0584,

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

23.5418, 25.0584, 19.8156

Protanopia

23.7172, 25.1489, 19.8238

Deuteranopia

25.5042, 25.0326, 20.0106



Tritanopia

25.5582, 25.0541, 29.4755

Trichromacy



Original Color

23.5418, 25.0584, 19.8156

Protanomaly

23.7172, 25.1489, 19.8238

Deuteranomaly

24.8144, 25.0835, 20.0567

Tritanomaly

24.7914, 24.9467, 25.6988

Monochromacy



Original Color

23.5418, 25.0584, 19.8156

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.7233, 25.0517, 24.3540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5418, 25.0584, 19.8156 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, 137, 115)` looks like.

```
.text, #text, p{  
    color:rgb(144, 137, 115)  
}
```

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, 137, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 137, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.5418, 25.0584, 19.8156 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, 137, 115) }
```


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

```
.border{ border-color:rgb(144, 137, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 137, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 137, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 137, 115);  
box-shadow:4px 4px 4px 4px rgb(144, 137,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5418, 25.0584, 19.8156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 137, 115) }
```

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

```
.background{ background-color: rgb(144,  
137, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor