

Converting Colors

XYZ(15.9968, 14.8444, 9.6116)

Have a look what the booklet for
XYZ(15.9968, 14.8444, 9.6116)
contains.

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Color

**XYZ(15.9968, 14.8444,
9.6116)**

Conversions

Conversions Part 1

Format	Color
Hex	876450
RGB	135, 100, 80
RGB Percent	53%, 39%, 31%
CMY	0.4706, 0.6078, 0.6863
CMYK	0.00, 0.26, 0.41, 0.47
HSL	22°, 26%, 42%
HSV	22°, 41%, 53%
XYZ	15.9968, 14.8444, 9.6116
YIQ	108.1850, 27.2800, 1.2000

Conversions

Conversions Part 2

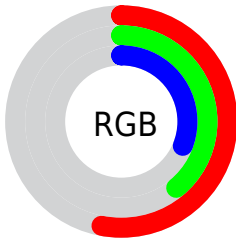
Format	Color
R_{YB}	135, 111, 80
Decimal	8873040
CIE Lab	45.42, 11.32, 16.85
CIE LCh	45, 20.293, 56.109
Yxy	14.8444, 0.3954, 0.3670
Android (android.graphics.Color)	4287063120 (0xFF876450)
YUV	108.1850, -13.8952, 23.5168
Hunter-Lab	38.5284, 6.6875, 12.1790

Details

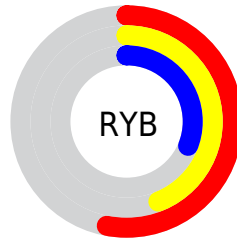
The XYZ color **15.9968, 14.8444, 9.6116** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.8120, 15.7157, 25.2271**, and the grayscale version is **14.3385, 15.0853, 16.4278**.

A 20% lighter version of the original color is **36.2643, 34.6653, 25.5486**, and **5.2326, 4.5524, 2.1930** is the 20% darker color. If you saturate the color by 10%, you get **14.7664, 13.1032, 6.9830**, and if you desaturate by 10%, it is **17.4151, 16.8009, 12.7977**.

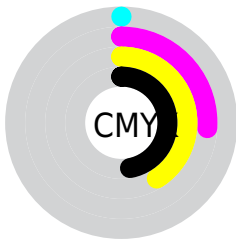
Distribution



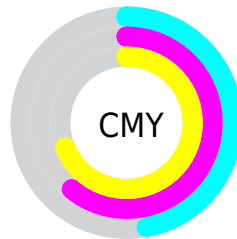
- Red (53%)
- Green (39%)
- Blue (31%)



- Red (53%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (26%)
- Yellow (41%)
- Black (47%)



- Cyan (47%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9968, 14.8444, 9.6116 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 15.9968, 14.8444, 9.6116 by changing the saturation by 10% instead.

■ 15.9968, 14.8444,
9.6116

■ 15.9968, 14.8444,
9.6116

222.5936,
222.4225, 198.2601

■ 9.6127, 8.7103,
5.0400

■ 36.1501, 34.5800,
25.6586

■ 5.2032, 4.5527,
2.2116

■ 50.6501, 48.9502,
37.9712

■ 2.4030, 1.9873,
0.6810

■ 68.5861, 66.8346,
53.7010

■ 0.8466, 0.6001,
0.0000

■ 90.3234, 88.6175,
73.2669

■ 0.0000, 0.0000,
0.0000

■ 116.2275,
114.6833, 97.0871

146.6637,

145.4165, 125.5804

181.9972,
181.2014, 159.1652

■ 15.9968, 14.8444,
9.6116

■ 15.9968, 14.8444,
9.6116

■ 14.7664, 13.1032,
6.9830

■ 17.4151, 16.8009,
12.7977

■ 13.7140, 11.5674,
4.8782

■ 19.0283, 18.9779,
16.5704

■ 12.8306, 10.2294,
3.2615

■ 20.8443, 21.3832,
20.9579

■ 12.1055, 9.0803,
2.0920

■ 22.8704, 24.0233,
25.9862

■ 11.5268, 8.1101,
1.3220

■ 25.1132, 26.9045,
31.6799

■ 11.0941, 7.3557,
0.8351

■ 27.5793, 30.0331,
38.0621

■ 30.2748, 33.4149,
45.1551

■ 33.2058, 37.0556,
52.9799

■ 36.3779, 40.9606,
61.5568

Harmonies

Analogous

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



17.2278, 14.8444, 12.4089



15.9968, 14.8444, 9.6116



14.3305, 14.8444, 8.5519

Triad

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



15.9968, 14.8444, 9.6116



11.1133, 14.8444, 15.5406



15.5857, 14.8444, 26.0251

Complementary

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



15.9968, 14.8444, 9.6116



13.8120, 15.7157, 25.2271

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.



13.8901, 14.8444, 27.3192



15.9968, 14.8444, 9.6116



11.3916, 14.8444, 20.6068

Square

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



15.9968, 14.8444, 9.6116



11.5836, 14.8444, 11.5155



12.3762, 14.8444, 25.1685



16.9774, 14.8444, 21.9179

Rectangle

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



15.9968, 14.8444, 9.6116



13.2279, 14.8444, 8.7785



12.3762, 14.8444, 25.1685



15.0287, 14.8444, 26.8348

Sweetspot

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



15.9972, 14.8451, 9.6119



36.8070, 37.6078, 36.2573



15.9983, 12.1435, 17.9477



8.4395, 8.5980, 8.1907



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.9972, 14.8451, 9.6119



26.5757, 23.6546, 12.7788



18.9968, 20.8444, 10.6118



4.8010, 4.9456, 4.9309



10.2420, 6.8067, 0.7740



0.0420, 0.0366, 0.0048

Inverse Universe

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



13.8120, 15.7157, 25.2271



22.0857, 25.4201, 44.7909



11.1919, 10.4755, 24.3537



4.6630, 5.0016, 5.9204



7.1070, 7.7618, 22.2603



0.0316, 0.0408, 0.0794

Previews

White Background



This preview shows how the XYZ color 15.9968, 14.8444, 9.6116 looks on a white 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

Black Background



This preview shows how the XYZ color 15.9968, 14.8444, 9.6116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

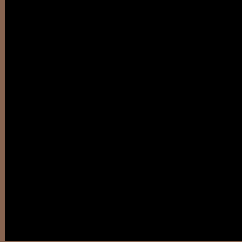
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9968, 14.8444, 9.6116

Background



This preview shows how black text looks on a background with the XYZ color 15.9968, 14.8444, 9.6116.



This preview shows how white text looks on a background with the XYZ color 15.9968, 14.8444,

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

15.9968, 14.8444, 9.6116

Protanopia

13.9941, 14.9945, 10.3403

Deuteranopia

15.0139, 14.7770, 9.4581



Tritanopia

17.0899, 14.8672, 15.0656

Trichromacy



Original Color

15.9968, 14.8444, 9.6116

Protanomaly

14.6006, 14.8499, 10.0794

Deuteranomaly

15.3686, 14.8131, 9.4463

Tritanomaly

16.5866, 14.7958, 12.8081

Monochromacy



Original Color

15.9968, 14.8444, 9.6116

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.7274, 14.8365, 13.6428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9968, 14.8444, 9.6116 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(135, 100, 80)` looks like.

```
.text, #text, p{  
    color:rgb(135, 100, 80)  
}
```

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(135, 100, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 100, 80) }
```

Border

The CSS property to change the border of an element to XYZ 15.9968, 14.8444, 9.6116 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(135, 100, 80) }
```


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

```
.border{ border-color:rgb(135, 100, 80) }
```

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

Here you see how a box with a 4 pixel rgb(135, 100, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 100, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 100, 80);  
box-shadow:4px 4px 4px 4px rgb(135, 100,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9968, 14.8444, 9.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 100, 80) }
```

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

```
.background{ background-color: rgb(135,  
100, 80) }
```

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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