

Converting Colors

XYZ(24.2642, 19.8451, 10.2831)

Have a look what the booklet for
XYZ(24.2642, 19.8451, 10.2831)
contains.

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Color

**XYZ(24.2160, 19.8112,
10.3322)**

Conversions

Conversions Part 1

Format	Color
Hex	AF6951
RGB	175, 105, 81
RGB Percent	69%, 41%, 32%
CMY	0.3137, 0.5882, 0.6823
CMYK	0.00, 0.40, 0.54, 0.31
HSL	15°, 37%, 50%
HSV	15°, 54%, 69%
XYZ	24.2160, 19.8112, 10.3322
YIQ	123.1940, 49.4240, 7.3760

Conversions

Conversions Part 2

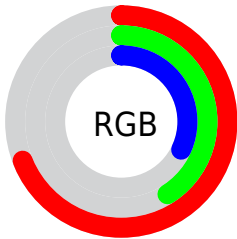
Format	Color
R_{YB}	175, 113, 81
Decimal	11495761
CIE _{Lab}	51.62, 25.50, 25.37
CIE _{LCh}	52, 35.966, 44.856
Yxy	19.8112, 0.4455, 0.3644
Android (android.graphics.Color)	4289685841 (0xFFAF6951)
YUV	123.1940, -20.8016, 45.4339
Hunter-Lab	44.5098, 19.2227, 17.3937

Details

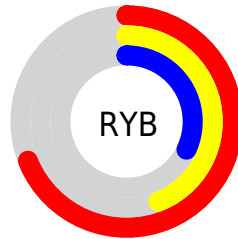
The XYZ color **24.2160, 19.8112, 10.3322** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.1972, 26.9764, 44.5944**, and the grayscale version is **18.9464, 19.9331, 21.7071**.

A 20% lighter version of the original color is **49.7580, 43.0763, 27.1648**, and **9.3893, 6.9756, 2.5206** is the 20% darker color. If you saturate the color by 10%, you get **22.4153, 17.1282, 6.9010**, and if you desaturate by 10%, it is **26.3902, 22.9706, 14.7226**.

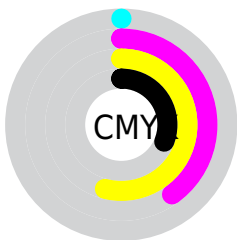
Distribution



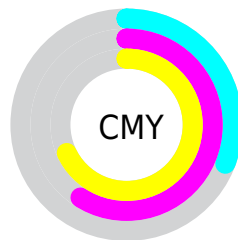
- Red (69%)
- Green (41%)
- Blue (32%)



- Red (69%)
- Yellow (44%)
- Blue (32%)



- Cyan (0%)
- Magenta (40%)
- Yellow (54%)
- Black (31%)



- Cyan (31%)
- Magenta (59%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2160, 19.8112, 10.3322 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 24.2160, 19.8112, 10.3322 by changing the saturation by 10% instead.

■ 24.2160, 19.8112,
10.3322

■ 24.2160, 19.8112,
10.3322

266.3309,
250.8912, 203.5971

■ 15.6195, 12.2579,
5.5113

■ 49.8346, 43.1004,
27.0360

■ 9.3445, 6.9196,
2.4863

■ 67.5874, 59.6051,
39.7560

■ 5.0254, 3.4118,
0.8329

■ 89.1230, 79.8624,
55.9461

■ 2.2971, 1.3503,
0.0000

■ 114.8068,
104.2566, 76.0248

■ 0.7932, 0.1797,
0.0000

■ 145.0042,
133.1722, 100.4108

■ 0.0000, 0.0000,
0.0000

180.0804,

166.9936, 129.5224

220.4009,
206.1051, 163.7783

■ 24.2160, 19.8112,
10.3322

■ 24.2160, 19.8112,
10.3322

■ 22.4153, 17.1282,
6.9010

■ 26.3902, 22.9706,
14.7226

■ 20.9642, 14.8949,
4.3549

■ 28.9569, 26.6256,
20.1364

■ 19.8379, 13.0863,
2.6106

■ 31.9357, 30.7976,
26.6335

■ 19.0072, 11.6734,
1.5680

■ 35.3440, 35.5061,
34.2691

■ 18.6057, 10.9671,
1.1362

■ 39.1987, 40.7695,
43.0942

■ 43.5152, 46.6052,
53.1571

■ 48.3087, 53.0301,
64.5031

■ 53.5932, 60.0600,
77.1753

■ 59.3825, 67.7105,
91.2149

Harmonies

Analogous

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



26.4029, 19.8112, 16.8470



24.2160, 19.8112, 10.3322



20.7103, 19.8112, 7.4699

Triad

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



24.2160, 19.8112, 10.3322



12.8712, 19.8112, 16.7647



20.6742, 19.8112, 47.1917

Complementary

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



24.2160, 19.8112, 10.3322



22.1972, 26.9764, 44.5944

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.



17.0670, 19.8112, 47.1478



24.2160, 19.8112, 10.3322



12.8641, 19.8112, 27.1046

Square

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



24.2160, 19.8112, 10.3322



14.3290, 19.8112, 10.2887



14.3083, 19.8112, 38.9370



24.1866, 19.8112, 39.0425

Rectangle

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



24.2160, 19.8112, 10.3322



18.2461, 19.8112, 7.1675



14.3083, 19.8112, 38.9370



19.4262, 19.8112, 48.2026

Sweetspot

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



24.2165, 19.8122, 10.3326



61.6606, 61.3357, 57.6707



26.2483, 17.2496, 31.4376



13.4269, 13.2494, 12.1934



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.2165, 19.8122, 10.3326



39.7467, 30.0719, 11.6329



30.3117, 32.0026, 12.3643



8.1653, 8.3354, 8.3919



13.3673, 7.9400, 0.8280



0.4158, 0.3088, 0.0377

Inverse Universe

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



22.1972, 26.9764, 44.5944



35.6949, 44.0896, 79.2657



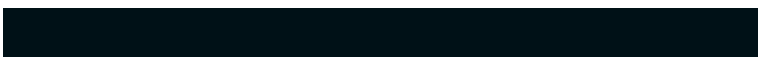
16.1321, 14.8463, 42.5727



8.0606, 8.7205, 10.2111



11.3389, 13.8116, 31.1128



0.3560, 0.4653, 0.8790

Previews

White Background



This preview shows how the XYZ color 24.2160, 19.8112, 10.3322 looks on a white background.

Color Contrast Check

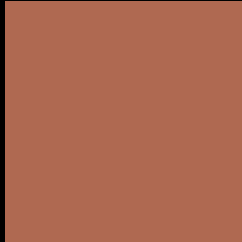
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2160, 19.8112, 10.3322 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 24.2160, 19.8112, 10.3322

Background



This preview shows how black text looks on a background with the XYZ color 24.2160, 19.8112, 10.3322.



This preview shows how white text looks on a background with the XYZ color 24.2160, 19.8112,

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

24.2160, 19.8112, 10.3322

Protanopia

18.5590, 19.8737, 12.3090

Deuteranopia

20.2480, 19.8965, 9.9809



Tritanopia

25.5455, 19.7586, 16.9354

Trichromacy



Original Color

24.2160, 19.8112, 10.3322

Protanomaly

20.1378, 19.4586, 11.4986

Deuteranomaly

21.4170, 19.6439, 10.0600

Tritanomaly

24.9080, 19.6337, 14.2813

Monochromacy



Original Color

24.2160, 19.8112, 10.3322

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.1075, 19.3243, 16.8575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2160, 19.8112, 10.3322 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(175, 105, 81)` looks like.

```
.text, #text, p{  
    color:rgb(175, 105, 81)  
}
```

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(175, 105, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 105, 81) }
```

Border

The CSS property to change the border of an element to XYZ 24.2160, 19.8112, 10.3322 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(175, 105, 81) }
```


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

```
.border{ border-color:rgb(175, 105, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 105, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 105, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 105, 81);  
box-shadow:4px 4px 4px 4px rgb(175, 105,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2160, 19.8112, 10.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 105, 81) }
```

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

```
.background{ background-color: rgb(175,  
105, 81) }
```

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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