

Converting Colors

XYZ(24.2434, 24.1278, 20.0548)

Have a look what the booklet for
XYZ(24.2434, 24.1278, 20.0548)
contains.

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Color

**XYZ(24.2176, 24.1690,
19.9117)**

Conversions

Conversions Part 1

Format	Color
Hex	988374
RGB	152, 131, 116
RGB Percent	60%, 51%, 45%
CMY	0.4039, 0.4863, 0.5451
CMYK	0.00, 0.14, 0.24, 0.40
HSL	25°, 15%, 53%
HSV	25°, 24%, 60%
XYZ	24.2176, 24.1690, 19.9117
YIQ	135.5690, 17.3310, -0.2130

Conversions

Conversions Part 2

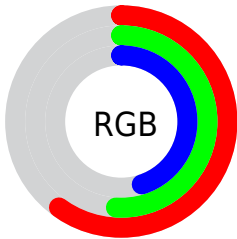
Format	Color
R_{YB}	152, 142, 116
Decimal	9995124
CIE _{Lab}	56.26, 5.53, 11.06
CIE _{LCh}	56, 12.365, 63.428
Yxy	24.1690, 0.3546, 0.3539
Android (android.graphics.Color)	4288185204 (0xFF988374)
YUV	135.5690, -9.6475, 14.4100
Hunter-Lab	49.1620, 1.8971, 10.3996

Details

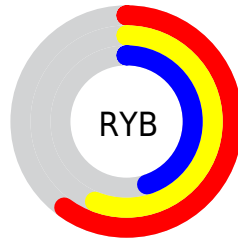
The XYZ color **24.2176, 24.1690, 19.9117** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.8154, 23.8707, 33.1636**, and the grayscale version is **23.2716, 24.4835, 26.6626**.

A 20% lighter version of the original color is **49.9405, 50.3735, 44.1367**, and **9.4275, 9.2186, 6.7513** is the 20% darker color. If you saturate the color by 10%, you get **22.2648, 21.5643, 15.2497**, and if you desaturate by 10%, it is **26.4183, 27.0376, 25.3707**.

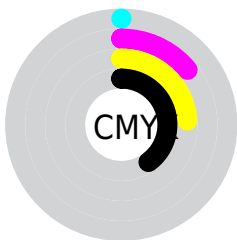
Distribution



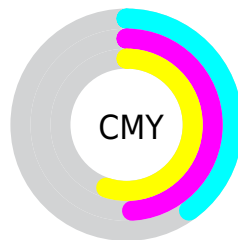
- Red (60%)
- Green (51%)
- Blue (45%)



- Red (60%)
- Yellow (56%)
- Blue (45%)



- Cyan (0%)
- Magenta (14%)
- Yellow (24%)
- Black (40%)



- Cyan (40%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2176, 24.1690, 19.9117 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 24.2176, 24.1690, 19.9117 by changing the saturation by 10% instead.

■ 24.2176, 24.1690,
19.9117

■ 24.2176, 24.1690,
19.9117

266.3389,
273.6738, 264.0251

■ 15.6207, 15.4590,
12.1474

■ 49.8372, 50.3058,
44.1261

■ 9.3453, 9.1422,
6.7204

■ 67.5905, 68.5015,
61.4133

■ 5.0260, 4.8340,
3.2121

■ 89.1268, 90.6279,
82.7120

■ 2.2974, 2.1502,
1.2039

114.8113,
117.0693, 108.4406

■ 0.7934, 0.6926,
0.0000

145.0094,
148.2102, 139.0176

■ 0.0000, 0.0000,
0.0000

180.0865,

184.4350, 174.8617

220.4078,
226.1281, 216.3914

■ 24.2176, 24.1690,
19.9117

■ 24.2176, 24.1690,
19.9117

■ 22.2648, 21.5643,
15.2497

■ 26.4183, 27.0376,
25.3707

■ 20.5483, 19.2123,
11.3454

■ 28.8740, 30.1743,
31.6604

■ 19.0586, 17.1057,
8.1582

■ 31.5939, 33.5874,
38.8147

■ 17.7846, 15.2358,
5.6432

■ 34.5859, 37.2837,
46.8648

■ 16.7141, 13.5929,
3.7503

■ 37.8579, 41.2700,
55.8405

■ 15.8333, 12.1669,
2.4224

■ 41.4173, 45.5527,
65.7702

■ 15.1264, 10.9462,
1.5913

■ 45.2711, 50.1379,
76.6811

■ 14.7457, 10.2690,
1.2049

■ 49.4263, 55.0316,
88.5993

■ 53.8895, 60.2397,
101.5499

Harmonies

Analogous

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



25.3317, 24.1690, 22.2311



24.2176, 24.1690, 19.9117



22.8087, 24.1690, 19.2437

Triad

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



24.2176, 24.1690, 19.9117



20.3477, 24.1690, 26.7873



24.5123, 24.1690, 33.4119

Complementary

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



24.2176, 24.1690, 19.9117



21.8154, 23.8707, 33.1636

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.



23.1359, 24.1690, 34.9379



24.2176, 24.1690, 19.9117



20.7634, 24.1690, 30.8728

Square

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



24.2176, 24.1690, 19.9117



20.6108, 24.1690, 22.9643



21.7697, 24.1690, 33.9643



25.5068, 24.1690, 29.9788

Rectangle

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



24.2176, 24.1690, 19.9117



21.9012, 24.1690, 19.7613



21.7697, 24.1690, 33.9643



24.0770, 24.1690, 34.1801

Sweetspot

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



24.2182, 24.1701, 19.9122



49.4169, 51.2944, 51.8810



23.7099, 20.9726, 26.4656



11.1797, 11.5921, 11.6579



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.2182, 24.1701, 19.9122



41.0180, 40.3698, 30.9749



26.8489, 29.4314, 20.7891



6.4097, 6.6245, 6.5467



12.3933, 8.6689, 1.0201



0.2200, 0.1990, 0.0268

Inverse Universe

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



21.8154, 23.8707, 33.1636



36.0792, 39.7521, 58.2050



19.4671, 19.1740, 32.3808



6.1687, 6.5947, 7.8767



7.7543, 7.9053, 26.0249



0.1518, 0.1898, 0.4010

Previews

White Background



This preview shows how the XYZ color 24.2176, 24.1690, 19.9117 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 24.2176, 24.1690, 19.9117 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 24.2176, 24.1690, 19.9117

Background



This preview shows how black text looks on a background with the XYZ color 24.2176, 24.1690, 19.9117.



This preview shows how white text looks on a background with the XYZ color 24.2176, 24.1690,

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

24.2176, 24.1690, 19.9117

Protanopia

22.9185, 24.2987, 20.6217

Deuteranopia

24.6526, 24.1948, 19.8937



Tritanopia

25.8242, 24.2419, 27.3628

Trichromacy



Original Color

24.2176, 24.1690, 19.9117

Protanomaly

23.4130, 24.3543, 20.2965

Deuteranomaly

24.4614, 24.0962, 19.8848

Tritanomaly

25.2059, 24.1822, 24.4582

Monochromacy



Original Color

24.2176, 24.1690, 19.9117

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.6429, 24.3860, 24.2297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2176, 24.1690, 19.9117 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(152, 131, 116)` looks like.

```
.text, #text, p{  
    color:rgb(152, 131, 116)  
}
```

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(152, 131, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 131, 116) }
```

Border

The CSS property to change the border of an element to XYZ 24.2176, 24.1690, 19.9117 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(152, 131, 116) }
```


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

```
.border{ border-color:rgb(152, 131, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 131, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 131, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 131, 116);  
box-shadow:4px 4px 4px 4px rgb(152, 131,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2176, 24.1690, 19.9117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 131, 116) }
```

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

```
.background{ background-color: rgb(152,  
131, 116) }
```

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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