

Converting Colors

XYZ(24.1066, 23.6248, 20.0647)

Have a look what the booklet for
XYZ(24.1066, 23.6248, 20.0647)
contains.

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Color

**XYZ(24.1980, 23.7572,
20.1398)**

Conversions

Conversions Part 1

Format	Color
Hex	998175
RGB	153, 129, 117
RGB Percent	60%, 51%, 46%
CMY	0.4000, 0.4941, 0.5412
CMYK	0.00, 0.16, 0.24, 0.40
HSL	20°, 15%, 53%
HSV	20°, 24%, 60%
XYZ	24.1980, 23.7572, 20.1398
YIQ	134.8080, 18.1560, 1.3560

Conversions

Conversions Part 2

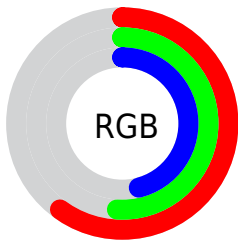
Format	Color
R_{YB}	153, 135, 117
Decimal	10060149
CIE Lab	55.84, 7.22, 9.92
CIE LCh	56, 12.268, 53.922
Yxy	23.7572, 0.3554, 0.3489
Android (android.graphics.Color)	4288250229 (0xFF998175)
YUV	134.8080, -8.7793, 15.9544
Hunter-Lab	48.7414, 3.3202, 9.6205

Details

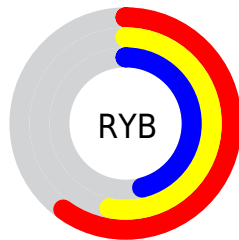
The XYZ color **24.1980, 23.7572, 20.1398** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.6105, 25.1308, 33.7961**, and the grayscale version is **22.9853, 24.1823, 26.3345**.

A 20% lighter version of the original color is **49.9018, 49.7304, 44.5049**, and **9.3097, 8.9337, 6.8639** is the 20% darker color. If you saturate the color by 10%, you get **22.0941, 20.8731, 15.3572**, and if you desaturate by 10%, it is **26.5844, 26.9705, 25.7426**.

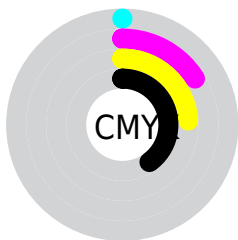
Distribution



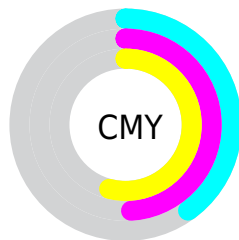
- Red (60%)
- Green (51%)
- Blue (46%)



- Red (60%)
- Yellow (53%)
- Blue (46%)



- Cyan (0%)
- Magenta (16%)
- Yellow (24%)
- Black (40%)



- Cyan (40%)
- Magenta (49%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1980, 23.7572, 20.1398 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 24.1980, 23.7572, 20.1398 by changing the saturation by 10% instead.

■ 24.1980, 23.7572,
20.1398

■ 24.1980, 23.7572,
20.1398

266.2419,
271.5907, 265.3002

■ 15.6061, 15.1536,
12.3116

■ 49.8054, 49.6337,
44.5135

■ 9.3349, 8.9273,
6.8312

■ 67.5517, 67.6754,
61.8961

■ 5.0191, 4.6938,
3.2799

■ 89.0801, 89.6319,
83.3006

■ 2.2934, 2.0687,
1.2393

114.7560,
115.8876, 109.1455

■ 0.7913, 0.6470,
0.0112

144.9448,
146.8270, 139.8493

■ 0.0000, 0.0000,
0.0000

180.0118,

182.8343, 175.8307

220.3224,
224.2941, 217.5081

■ 24.1980, 23.7572,
20.1398

■ 24.1980, 23.7572,
20.1398

■ 22.0941, 20.8731,
15.3572

■ 26.5844, 26.9705,
25.7426

■ 20.2596, 18.3043,
11.3543

■ 29.2617, 30.5199,
32.2003

■ 18.6835, 16.0405,
8.0896

■ 32.2404, 34.4162,
39.5475

■ 17.3528, 14.0698,
5.5170

■ 35.5299, 38.6686,
47.8165

■ 16.2537, 12.3793,
3.5852

■ 39.1392, 43.2862,
57.0378

■ 15.3704, 10.9550,
2.2355

■ 43.0767, 48.2776,
67.2406

■ 14.6848, 9.7814,
1.3983

■ 47.3508, 53.6509,
78.4529

■ 14.3214, 9.1412,
1.0096

■ 51.9694, 59.4144,
90.7014

■ 56.9401, 65.5758,
104.0119

Harmonies

Analogous

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



25.1235, 23.7572, 22.8745



24.1980, 23.7572, 20.1398



22.8658, 23.7572, 18.9530

Triad

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



24.1980, 23.7572, 20.1398



20.0157, 23.7572, 25.0623



23.6863, 23.7572, 33.5482

Complementary

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



24.1980, 23.7572, 20.1398



22.6105, 25.1308, 33.7961

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.



22.2976, 23.7572, 34.2874



24.1980, 23.7572, 20.1398



20.2152, 23.7572, 29.1109

Square

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



24.1980, 23.7572, 20.1398



20.4803, 23.7572, 21.6004



21.0367, 23.7572, 32.5897



24.8196, 23.7572, 30.6626

Rectangle

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



24.1980, 23.7572, 20.1398



21.9410, 23.7572, 19.1018



21.0367, 23.7572, 32.5897



23.2324, 23.7572, 34.0675

Sweetspot

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



24.1986, 23.7583, 20.1403



50.6123, 52.2925, 53.3121



24.3060, 21.4182, 28.0525



11.1204, 11.4735, 11.6381



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.



24.1986, 23.7583, 20.1403



41.3815, 39.8802, 31.5859



26.7816, 28.9242, 21.0013



6.3687, 6.5425, 6.5330



11.8645, 7.6113, 0.8438



0.2085, 0.1760, 0.0230

Inverse Universe

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



22.6105, 25.1308, 33.7961



38.0490, 42.7533, 60.2188



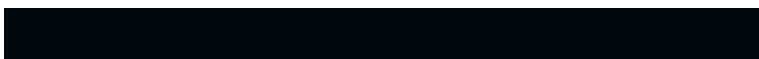
20.1691, 20.2480, 32.9823



6.2110, 6.6793, 7.8909



8.7093, 9.8153, 26.3432



0.1633, 0.2129, 0.4049

Previews

White Background



This preview shows how the XYZ color 24.1980, 23.7572, 20.1398 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 24.1980, 23.7572, 20.1398 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 24.1980, 23.7572, 20.1398

Background



This preview shows how black text looks on a background with the XYZ color 24.1980, 23.7572, 20.1398.



This preview shows how white text looks on a background with the XYZ color 24.1980, 23.7572,

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

24.1980, 23.7572, 20.1398

Protanopia

22.6701, 23.9576, 20.8822

Deuteranopia

24.1980, 23.7572, 20.1398



Tritanopia

25.4224, 23.6678, 26.5210

Trichromacy



Original Color

24.1980, 23.7572, 20.1398

Protanomaly

23.1983, 23.8303, 20.5166

Deuteranomaly

24.1980, 23.7572, 20.1398

Tritanomaly

24.8782, 23.6337, 24.0194

Monochromacy



Original Color

24.1980, 23.7572, 20.1398

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.4391, 24.0844, 23.8354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1980, 23.7572, 20.1398 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(153, 129, 117)` looks like.

```
.text, #text, p{  
    color:rgb(153, 129, 117)  
}
```

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(153, 129, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 129, 117) }
```

Border

The CSS property to change the border of an element to XYZ 24.1980, 23.7572, 20.1398 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(153, 129, 117) }
```


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

```
.border{ border-color:rgb(153, 129, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 129, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 129, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 129, 117);  
box-shadow:4px 4px 4px 4px rgb(153, 129,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1980, 23.7572, 20.1398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 129, 117) }
```

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

```
.background{ background-color: rgb(153,  
129, 117) }
```

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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