

Converting Colors

XYZ(22.9648, 24.8938, 20.6434)

Have a look what the booklet for
XYZ(22.9648, 24.8938, 20.6434)
contains.

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Color

**XYZ(23.0060, 24.9739,
20.7474)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8A76
RGB	139, 138, 118
RGB Percent	55%, 54%, 46%
CMY	0.4549, 0.4588, 0.5373
CMYK	0.00, 0.01, 0.15, 0.45
HSL	57°, 8%, 50%
HSV	57°, 15%, 55%
XYZ	23.0060, 24.9739, 20.7474
YIQ	136.0190, 7.0160, -6.0080

Conversions

Conversions Part 2

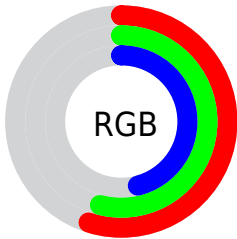
Format	Color
R_YB	119, 139, 118
Decimal	9144950
CIE Lab	57.05, -3.27, 10.86
CIE LCh	57, 11.340, 106.737
Yxy	24.9739, 0.3347, 0.3634
Android (android.graphics.Color)	4287335030 (0xFF8B8A76)
YUV	136.0190, -8.8834, 2.6143
Hunter-Lab	49.9739, -5.2800, 10.3666

Details

The XYZ color **23.0060, 24.9739, 20.7474** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.7283, 18.9091, 27.0892**, and the grayscale version is **23.4398, 24.6605, 26.8553**.

A 20% lighter version of the original color is **47.8788, 51.5013, 45.4475**, and **8.7150, 9.5455, 7.1775** is the 20% darker color. If you saturate the color by 10%, you get **22.1459, 24.4796, 16.6814**, and if you desaturate by 10%, it is **23.9897, 25.5203, 25.4559**.

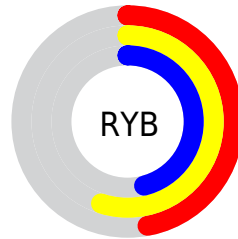
Distribution



Red (55%)

Green (54%)

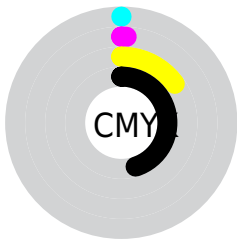
Blue (46%)



Red (47%)

Yellow (55%)

Blue (46%)

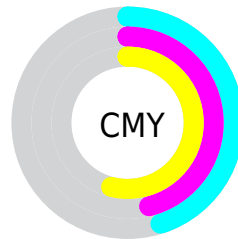


Cyan (0%)

Magenta (1%)

Yellow (15%)

Black (45%)



Cyan (45%)

Magenta (46%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0060, 24.9739, 20.7474 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 23.0060, 24.9739, 20.7474 by changing the saturation by 10% instead.

■ 23.0060, 24.9739,
20.7474

■ 23.0060, 24.9739,
20.7474

260.2906,
277.7079, 268.6698

■ 14.7187, 16.0576,
12.7500

■ 47.8698, 51.6149,
45.5421

■ 8.7072, 9.5649,
7.1280

■ 65.1769, 70.1084,
63.1765

■ 4.6063, 5.1115,
3.4626

■ 86.2213, 92.5630,
84.8603

■ 2.0505, 2.3128,
1.3354

111.3684,
119.3633, 111.0121

■ 0.6621, 0.7805,
0.0906

140.9836,
150.8935, 142.0504

■ 0.0000, 0.0000,
0.0000

175.4320,

187.5381, 178.3938

215.0793,
229.6814, 220.4607

■ 23.0060, 24.9739,
20.7474

■ 23.0060, 24.9739,
20.7474

■ 22.1459, 24.4796,
16.6814

■ 23.9897, 25.5203,
25.4559

■ 21.4023, 24.0319,
13.2283

■ 25.1001, 26.1174,
30.8314

■ 20.7699, 23.6296,
10.3587

■ 26.3425, 26.7683,
36.8993

■ 20.2427, 23.2703,
8.0400

■ 27.7214, 27.4747,
43.6831

■ 19.8139, 22.9513,
6.2365

■ 29.2410, 28.2384,
51.2051

■ 19.4759, 22.6696,
4.9084

■ 30.9055, 29.0608,
59.4868

■ 19.2200, 22.4215,
4.0098

■ 32.7186, 29.9437,
68.5487

■ 19.0342, 22.2025,
3.4776

■ 34.6842, 30.8886,
78.4106

■ 18.9528, 22.0995,
3.2667

■ 36.8059, 31.8967,
89.0916

Harmonies

Analogous

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



24.3302, 24.9739, 20.6513



23.0060, 24.9739, 20.7474



21.9178, 24.9739, 22.4626

Triad

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



23.0060, 24.9739, 20.7474



22.0222, 24.9739, 32.8996



26.3218, 24.9739, 28.9125

Complementary

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



23.0060, 24.9739, 20.7474



18.7283, 18.9091, 27.0892

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.



25.6540, 24.9739, 32.5434



23.0060, 24.9739, 20.7474



23.1534, 24.9739, 34.9864

Square

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



23.0060, 24.9739, 20.7474



21.3646, 24.9739, 29.3629



24.4832, 24.9739, 34.8503



26.2787, 24.9739, 25.1315

Rectangle

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



23.0060, 24.9739, 20.7474



21.4578, 24.9739, 24.3933



24.4832, 24.9739, 34.8503



26.1720, 24.9739, 30.1977

Sweetspot

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



23.0067, 24.9750, 20.7479



42.9606, 45.7016, 45.5855



20.4590, 19.7793, 20.2083



9.8725, 10.5162, 10.3754



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



23.0067, 24.9750, 20.7479



40.6705, 44.4242, 34.6398



21.6400, 24.4840, 20.7252



5.4110, 5.8049, 5.3877



17.1091, 19.9526, 2.9495



0.1166, 0.1384, 0.0206

Inverse Universe

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



18.7283, 18.9091, 27.0892



31.5498, 31.4929, 48.1589



19.9586, 19.3680, 27.1130



4.7925, 4.9279, 6.3044



4.2744, 1.8192, 22.1715



0.0306, 0.0164, 0.1480

Previews

White Background



This preview shows how the XYZ color 23.0060, 24.9739, 20.7474 looks on a white background.

Color Contrast Check

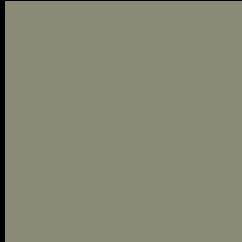
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0060, 24.9739, 20.7474 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

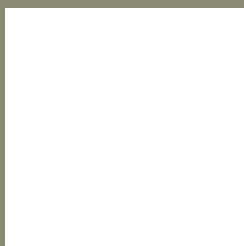
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0060, 24.9739, 20.7474

Background



This preview shows how black text looks on a background with the XYZ color 23.0060, 24.9739, 20.7474.



This preview shows how white text looks on a background with the XYZ color 23.0060, 24.9739,

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

23.0060, 24.9739, 20.7474

Protanopia

23.6581, 25.1050, 20.4284

Deuteranopia

25.2913, 24.9024, 20.9264



Tritanopia

24.9636, 24.9342, 30.2851

Trichromacy



Original Color

23.0060, 24.9739, 20.7474

Protanomaly

23.3119, 24.9265, 20.4122

Deuteranomaly

24.4325, 24.8661, 20.9647

Tritanomaly

24.1925, 24.8280, 26.4389

Monochromacy



Original Color

23.0060, 24.9739, 20.7474

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.2246, 24.7947, 24.3307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0060, 24.9739, 20.7474 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(139, 138, 118)` looks like.

```
.text, #text, p{  
    color:rgb(139, 138, 118)  
}
```

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(139, 138, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 138, 118) }
```

Border

The CSS property to change the border of an element to XYZ 23.0060, 24.9739, 20.7474 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(139, 138, 118) }
```


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

```
.border{ border-color:rgb(139, 138, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 138, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 138, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 138, 118);  
box-shadow:4px 4px 4px 4px rgb(139, 138,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0060, 24.9739, 20.7474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 138, 118) }
```

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

```
.background{ background-color: rgb(139,  
138, 118) }
```

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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