

Converting Colors

XYZ(21.9330, 23.7023, 15.2240)

Have a look what the booklet for
XYZ(21.9330, 23.7023, 15.2240)
contains.

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Color

**XYZ(21.9326, 23.7018,
15.2233)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8663
RGB	142, 134, 99
RGB Percent	56%, 53%, 39%
CMY	0.4431, 0.4745, 0.6118
CMYK	0.00, 0.06, 0.30, 0.44
HSL	49°, 18%, 47%
HSV	49°, 30%, 56%
XYZ	21.9326, 23.7018, 15.2233
YIQ	132.4020, 16.0030, -9.1890

Conversions

Conversions Part 2

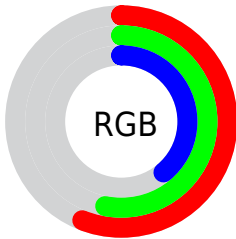
Format	Color
R_{YB}	109, 142, 99
Decimal	9340515
CIE _{Lab}	55.79, -2.75, 19.97
CIE _{LCh}	56, 20.157, 97.840
Yxy	23.7018, 0.3604, 0.3895
Android (android.graphics.Color)	4287530595 (0xFF8E8663)
YUV	132.4020, -16.4672, 8.4174
Hunter-Lab	48.6845, -4.7828, 15.5396

Details

The XYZ color **21.9326, 23.7018, 15.2233** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2858, 15.1208, 27.7044**, and the grayscale version is **22.1315, 23.2840, 25.3563**.

A 20% lighter version of the original color is **46.0403, 49.4784, 35.9779**, and **8.1827, 8.9691, 4.5487** is the 20% darker color. If you saturate the color by 10%, you get **20.9523, 22.7337, 11.8367**, and if you desaturate by 10%, it is **23.0426, 24.7380, 19.2427**.

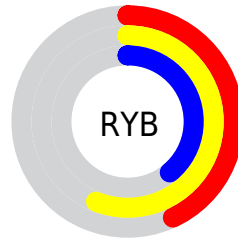
Distribution



Red (56%)

Green (53%)

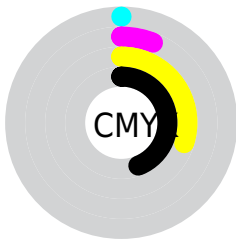
Blue (39%)



Red (43%)

Yellow (56%)

Blue (39%)

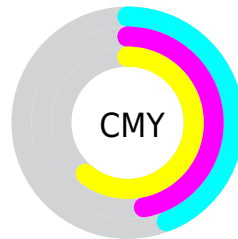


Cyan (0%)

Magenta (6%)

Yellow (30%)

Black (44%)



Cyan (44%)

Magenta (47%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9326, 23.7018, 15.2233 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 21.9326, 23.7018, 15.2233 by changing the saturation by 10% instead.

■ 21.9326, 23.7018,
15.2233

■ 21.9326, 23.7018,
15.2233

254.8331,
271.3094, 236.4010

■ 13.9237, 15.1126,
8.8279

■ 46.1143, 49.5431,
35.9923

■ 8.1490, 8.8984,
4.5338

■ 63.0177, 67.5640,
51.2029

■ 4.2430, 4.6750,
1.9225

■ 83.6168, 89.4976,
70.1890

■ 1.8405, 2.0579,
0.5070

■ 108.2768,
115.7282, 93.3692

■ 0.5419, 0.6408,
0.0000

137.3630,
146.6404, 121.1619

■ 0.0000, 0.0000,
0.0000

171.2409,

182.6183, 153.9858

210.2758,
224.0465, 192.2593

■ 21.9326, 23.7018,
15.2233

■ 21.9326, 23.7018,
15.2233

■ 20.9523, 22.7337,
11.8367

■ 23.0426, 24.7380,
19.2427

■ 20.0936, 21.8279,
9.0485

■ 24.2864, 25.8416,
23.9240

■ 19.3503, 20.9826,
6.8232

■ 25.6701, 27.0160,
29.2962

■ 18.7146, 20.1947,
5.1210

■ 27.1988, 28.2632,
35.3862

■ 18.1780, 19.4605,
3.8968

■ 28.8774, 29.5855,
42.2195

■ 17.7304, 18.7761,
3.0981

■ 30.7106, 30.9846,
49.8203

■ 17.3538, 18.1475,
2.5882

■ 32.7029, 32.4626,
58.2116

■ 34.8584, 34.0211,
67.4156

■ 37.1812, 35.6620,
77.4535

Harmonies

Analogous

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



24.2296, 23.7018, 15.8026



21.9326, 23.7018, 15.2233



19.9335, 23.7018, 17.0757

Triad

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



21.9326, 23.7018, 15.2233



19.2268, 23.7018, 34.3407



26.8562, 23.7018, 30.8612

Complementary

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



21.9326, 23.7018, 15.2233



15.2858, 15.1208, 27.7044

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.



25.3380, 23.7018, 37.1001



21.9326, 23.7018, 15.2233



20.9077, 23.7018, 39.3343

Square

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



21.9326, 23.7018, 15.2233



18.4418, 23.7018, 27.5657



23.1338, 23.7018, 40.4215



27.1768, 23.7018, 24.1252

Rectangle

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



21.9326, 23.7018, 15.2233



19.0025, 23.7018, 19.6609



23.1338, 23.7018, 40.4215



26.4642, 23.7018, 33.1171

Sweetspot

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



21.9332, 23.7029, 15.2238



43.0814, 45.7895, 43.1637



18.3030, 15.7490, 16.1515



9.5549, 10.1689, 9.3825



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.



21.9332, 23.7029, 15.2238



37.5331, 40.6793, 22.8591



20.9939, 24.9221, 15.5086



5.7555, 6.1172, 5.7668



15.5933, 16.3183, 2.3279



0.1633, 0.1845, 0.0270

Inverse Universe

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



15.2858, 15.1208, 27.7044



23.9695, 23.1721, 48.3372



16.0140, 14.3152, 27.5105



5.2057, 5.4073, 6.7981



4.7343, 2.4546, 23.2013



0.0574, 0.0477, 0.2259

Previews

White Background



This preview shows how the XYZ color 21.9326, 23.7018, 15.2233 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 21.9326, 23.7018, 15.2233 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

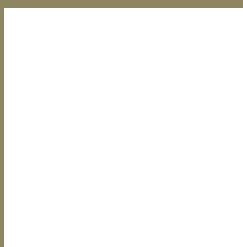
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9326, 23.7018, 15.2233

Background



This preview shows how black text looks on a background with the XYZ color 21.9326, 23.7018, 15.2233.



This preview shows how white text looks on a background with the XYZ color 21.9326, 23.7018,

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

21.9326, 23.7018, 15.2233

Protanopia

22.1049, 23.7907, 15.2314

Deuteranopia

24.1200, 23.6275, 15.3459



Tritanopia

24.5431, 23.7676, 27.7201

Trichromacy



Original Color

21.9326, 23.7018, 15.2233

Protanomaly

22.1049, 23.7907, 15.2314

Deuteranomaly

23.2318, 23.5608, 15.3798

Tritanomaly

23.4314, 23.7076, 22.4098

Monochromacy



Original Color

21.9326, 23.7018, 15.2233

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9310, 23.3654, 21.1234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9326, 23.7018, 15.2233 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(142, 134, 99)` looks like.

```
.text, #text, p{  
    color:rgb(142, 134, 99)  
}
```

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(142, 134, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 134, 99) }
```

Border

The CSS property to change the border of an element to XYZ 21.9326, 23.7018, 15.2233 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(142, 134, 99) }
```


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

```
.border{ border-color:rgb(142, 134, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 134, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 134, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 134, 99);  
box-shadow:4px 4px 4px 4px rgb(142, 134,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9326, 23.7018, 15.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 134, 99) }
```

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

```
.background{ background-color: rgb(142,  
134, 99) }
```

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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