

Converting Colors

XYZ(21.7308, 24.6789, 15.4662)

Have a look what the booklet for
XYZ(21.7308, 24.6789, 15.4662)
contains.

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Color

**XYZ(21.6381, 24.6003,
15.4123)**

Conversions

Conversions Part 1

Format	Color
Hex	888B63
RGB	136, 139, 99
RGB Percent	53%, 55%, 39%
CMY	0.4667, 0.4549, 0.6118
CMYK	0.02, 0.00, 0.29, 0.45
HSL	65°, 17%, 47%
HSV	65°, 29%, 55%
XYZ	21.6381, 24.6003, 15.4123
YIQ	133.5430, 11.0520, -13.0760

Conversions

Conversions Part 2

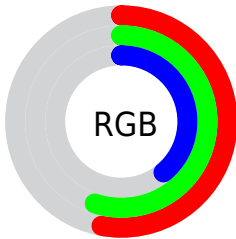
Format	Color
R_{YB}	99, 139, 102
Decimal	8948579
CIE _{Lab}	56.68, -7.99, 21.09
CIE _{LCh}	57, 22.549, 110.754
Yxy	24.6003, 0.3510, 0.3990
Android (android.graphics.Color)	4287138659 (0xFF888B63)
YUV	133.5430, -17.0297, 2.1548
Hunter-Lab	49.5987, -8.9247, 16.2953

Details

The XYZ color **21.6381, 24.6003, 15.4123** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.6025, 13.6132, 26.2854**, and the grayscale version is **22.5505, 23.7249, 25.8364**.

A 20% lighter version of the original color is **45.5899, 50.8484, 36.2660**, and **8.0300, 9.3711, 4.6344** is the 20% darker color. If you saturate the color by 10%, you get **20.8616, 24.2710, 12.2007**, and if you desaturate by 10%, it is **22.5320, 24.9784, 19.2276**.

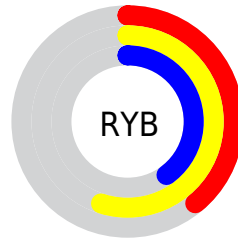
Distribution



Red (53%)

Green (55%)

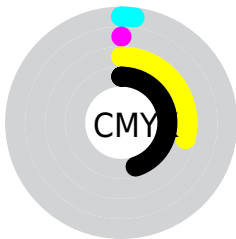
Blue (39%)



Red (39%)

Yellow (55%)

Blue (40%)

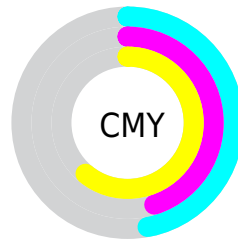


Cyan (2%)

Magenta (0%)

Yellow (29%)

Black (45%)



Cyan (47%)

Magenta (45%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6381, 24.6003, 15.4123 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 21.6381, 24.6003, 15.4123 by changing the saturation by 10% instead.

■ 21.6381, 24.6003,
15.4123

■ 21.6381, 24.6003,
15.4123

253.3185,
275.8415, 237.5745

■ 13.7063, 15.7795,
8.9594

■ 45.6304, 51.0080,
36.3273

■ 7.9970, 9.3683,
4.6183

■ 62.4217, 69.3638,
51.6266

■ 4.1448, 4.9822,
1.9703

■ 82.8969, 91.6667,
70.7117

■ 1.7844, 2.2368,
0.5369

■ 107.4213,
118.3010, 94.0013

■ 0.5082, 0.7399,
0.0000

136.3603,
149.6513, 121.9138

■ 0.0000, 0.0000,
0.0000

170.0793,

186.1019, 154.8678

208.9436,
228.0372, 193.2819

■ 21.6381, 24.6003,
15.4123

■ 21.6381, 24.6003,
15.4123

■ 20.8616, 24.2710,
12.2007

■ 22.5320, 24.9784,
19.2276

■ 20.1946, 23.9850,
9.5603

■ 23.5467, 25.4041,
23.6736

■ 19.6315, 23.7406,
7.4580

■ 24.6881, 25.8807,
28.7777

■ 19.1651, 23.5351,
5.8568

■ 25.9609, 26.4101,
34.5652

■ 18.7876, 23.3654,
4.7148

■ 27.3696, 26.9941,
41.0599

■ 18.4896, 23.2277,
3.9835

■ 28.9187, 27.6343,
48.2848

■ 18.2495, 23.1133,
3.5482

■ 30.6122, 28.3326,
56.2614

■ 18.2209, 23.0996,
3.4983

■ 32.4541, 29.0903,
65.0108

■ 34.4482, 29.9092,
74.5529

Harmonies

Analogous

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



24.2025, 24.6003, 14.8990



21.6381, 24.6003, 15.4123



19.6859, 24.6003, 18.6399

Triad

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



21.6381, 24.6003, 15.4123



20.3311, 24.6003, 39.6157



28.7272, 24.6003, 29.1766

Complementary

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



21.6381, 24.6003, 15.4123



14.6025, 13.6132, 26.2854

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.



27.5136, 24.6003, 37.0138



21.6381, 24.6003, 15.4123



22.5800, 24.6003, 43.7410

Square

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



21.6381, 24.6003, 15.4123



18.9715, 24.6003, 32.2427



25.2168, 24.6003, 42.7087



28.4277, 24.6003, 21.9818

Rectangle

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



21.6381, 24.6003, 15.4123



18.9320, 24.6003, 22.2966



25.2168, 24.6003, 42.7087



28.4795, 24.6003, 31.8398

Sweetspot

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



21.6387, 24.6014, 15.4128



42.0854, 45.4583, 42.0369



17.6191, 15.8278, 13.9312



9.6400, 10.4506, 9.4324



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.



21.6387, 24.6014, 15.4128



37.7560, 43.6328, 23.4728



18.7325, 23.1032, 15.2768



5.3946, 5.8262, 5.3926



16.4506, 20.8506, 3.1575



0.1144, 0.1412, 0.0212

Inverse Universe

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



14.6025, 13.6132, 26.2854



22.8752, 20.3902, 46.4730



17.1017, 14.9016, 26.4024



4.8072, 4.9090, 6.3000



4.3307, 1.7467, 22.1546



0.0327, 0.0136, 0.1474

Previews

White Background



This preview shows how the XYZ color 21.6381, 24.6003, 15.4123 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 21.6381, 24.6003, 15.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

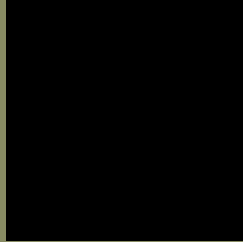
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6381, 24.6003, 15.4123

Background



This preview shows how black text looks on a background with the XYZ color 21.6381, 24.6003, 15.4123.



This preview shows how white text looks on a background with the XYZ color 21.6381, 24.6003,

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

21.6381, 24.6003, 15.4123

Protanopia

22.8628, 24.6012, 15.0988

Deuteranopia

24.8288, 24.3784, 15.7088



Tritanopia

24.5769, 24.5395, 29.8268

Trichromacy



Original Color

21.6381, 24.6003, 15.4123

Protanomaly

22.3056, 24.5239, 15.1132

Deuteranomaly

23.4503, 24.2745, 15.5061

Tritanomaly

23.3755, 24.4619, 23.9117

Monochromacy



Original Color

21.6381, 24.6003, 15.4123

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.2470, 24.1397, 21.5760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6381, 24.6003, 15.4123 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(136, 139, 99)` looks like.

```
.text, #text, p{  
    color:rgb(136, 139, 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(136, 139, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 139, 99) }
```

Border

The CSS property to change the border of an element to XYZ 21.6381, 24.6003, 15.4123 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(136, 139, 99) }
```


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

```
.border{ border-color:rgb(136, 139, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 139, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 139, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 139, 99);  
box-shadow:4px 4px 4px 4px rgb(136, 139,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6381, 24.6003, 15.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 139, 99) }
```

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

```
.background{ background-color: rgb(136,  
139, 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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