

Converting Colors

XYZ(21.4513, 24.5253, 18.8035)

Have a look what the booklet for
XYZ(21.4513, 24.5253, 18.8035)
contains.

XYZ(21.3632, 24.3809, 18.9093)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.3632, 24.3809,
18.9093)**

Conversions

Conversions Part 1

Format	Color
Hex	828B70
RGB	130, 139, 112
RGB Percent	51%, 55%, 44%
CMY	0.4902, 0.4549, 0.5608
CMYK	0.06, 0.00, 0.19, 0.45
HSL	80°, 11%, 49%
HSV	80°, 19%, 55%
XYZ	21.3632, 24.3809, 18.9093
YIQ	133.2310, 3.3030, -10.3050

Conversions

Conversions Part 2

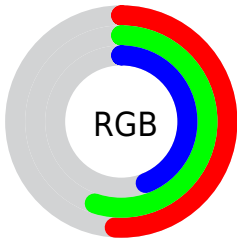
Format	Color
R_{YB}	112, 139, 121
Decimal	8555376
CIE Lab	56.47, -8.35, 13.36
CIE LCh	56, 15.757, 122.020
Yxy	24.3809, 0.3304, 0.3771
Android (android.graphics.Color)	4286745456 (0xFF828B70)
YUV	133.2310, -10.4669, -2.8336
Hunter-Lab	49.3770, -9.1809, 11.8584

Details

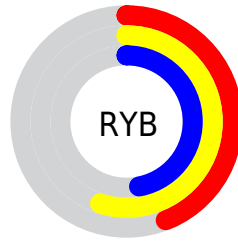
The XYZ color **21.3632, 24.3809, 18.9093** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.3405, 17.5180, 26.8420**, and the grayscale version is **22.4152, 23.5825, 25.6813**.

A 20% lighter version of the original color is **45.0789, 50.4469, 42.4833**, and **7.8061, 9.2204, 6.2188** is the 20% darker color. If you saturate the color by 10%, you get **19.9535, 23.7375, 15.1104**, and if you desaturate by 10%, it is **22.9257, 25.0907, 23.3401**.

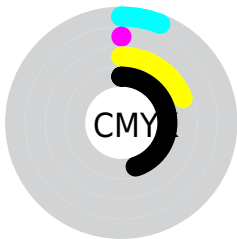
Distribution



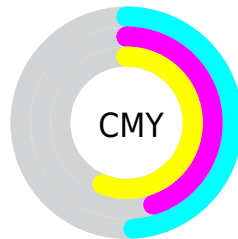
- Red (51%)
- Green (55%)
- Blue (44%)



- Red (44%)
- Yellow (55%)
- Blue (47%)



- Cyan (6%)
- Magenta (0%)
- Yellow (19%)
- Black (45%)



- Cyan (49%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3632, 24.3809, 18.9093 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 21.3632, 24.3809, 18.9093 by changing the saturation by 10% instead.

■ 21.3632, 24.3809,
18.9093

■ 21.3632, 24.3809,
18.9093

251.8978,
274.7406, 258.3536

■ 13.5037, 15.6164,
11.4286

■ 45.1780, 50.6511,
42.4154

■ 7.8557, 9.2531,
6.2381

■ 61.8639, 68.9255,
59.2780

■ 4.0538, 4.9067,
2.9193

■ 82.2228, 91.1388,
80.1049

■ 1.7326, 2.1926,
1.0536

■ 106.6199,
117.6752, 105.3146

■ 0.4765, 0.7160,
0.0000

135.4206,
148.9192, 135.3259

■ 0.0000, 0.0000,
0.0000

168.9903,

185.2552, 170.5571

207.6942,
227.0675, 211.4268

■ 21.3632, 24.3809,
18.9093

■ 21.3632, 24.3809,
18.9093

■ 19.9535, 23.7375,
15.1104

■ 22.9257, 25.0907,
23.3401

■ 18.6889, 23.1550,
11.9131

■ 24.6447, 25.8660,
28.4282

■ 17.5635, 22.6319,
9.2869

■ 26.5259, 26.7100,
34.1995

■ 16.5707, 22.1653,
7.1978

■ 28.5744, 27.6248,
40.6781

■ 15.7029, 21.7522,
5.6086

■ 30.7948, 28.6122,
47.8868

■ 14.9515, 21.3891,
4.4771

■ 33.1918, 29.6742,
55.8475

■ 14.3068, 21.0721,
3.7540

■ 35.7695, 30.8124,
64.5810

■ 13.7441, 20.7912,
3.3117

■ 38.5323, 32.0287,
74.1076

■ 13.7129, 20.7756,
3.2873

■ 41.4842, 33.3246,
84.4466

Harmonies

Analogous

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



23.0499, 24.3809, 17.7214



21.3632, 24.3809, 18.9093



20.2123, 24.3809, 22.1080

Triad

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



21.3632, 24.3809, 18.9093



21.5667, 24.3809, 36.4406



26.8576, 24.3809, 26.1942

Complementary

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



21.3632, 24.3809, 18.9093



18.3405, 17.5180, 26.8420

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.



26.4103, 24.3809, 31.5429



21.3632, 24.3809, 18.9093



23.2972, 24.3809, 37.9019

Square

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



21.3632, 24.3809, 18.9093



20.3253, 24.3809, 32.2359



25.0829, 24.3809, 36.0050



26.2756, 24.3809, 21.5696

Rectangle

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



21.3632, 24.3809, 18.9093



19.8710, 24.3809, 25.1767



25.0829, 24.3809, 36.0050



26.8226, 24.3809, 27.9655

Sweetspot

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



21.3638, 24.3820, 18.9098



42.0366, 45.3749, 44.6657



20.4103, 20.3344, 18.1788



9.6477, 10.4380, 10.1787



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.



21.3638, 24.3820, 18.9098



37.1957, 43.1778, 30.9566



19.4271, 23.3836, 18.8192



5.2718, 5.7628, 5.3869



12.3945, 18.7596, 2.9677



0.0979, 0.1326, 0.0204

Inverse Universe

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



18.3405, 17.5180, 26.8420



30.8295, 28.7228, 47.6621



20.3666, 18.5626, 26.9369



4.9216, 4.9680, 6.3054



5.2538, 2.2225, 22.1978



0.0492, 0.0221, 0.1481

Previews

White Background



This preview shows how the XYZ color 21.3632, 24.3809, 18.9093 looks on a white background.

Color Contrast Check

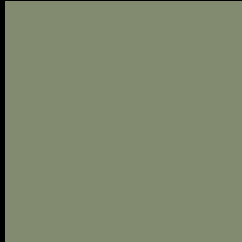
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3632, 24.3809, 18.9093 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 21.3632, 24.3809, 18.9093

Background



This preview shows how black text looks on a background with the XYZ color 21.3632, 24.3809, 18.9093.



This preview shows how white text looks on a background with the XYZ color 21.3632, 24.3809,

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

21.3632, 24.3809, 18.9093

Protanopia

22.8061, 24.2934, 18.2389

Deuteranopia

24.7302, 24.2481, 19.2965



Tritanopia

23.6276, 24.2454, 30.2226

Trichromacy



Original Color

21.3632, 24.3809, 18.9093

Protanomaly

22.1546, 24.1593, 18.5345

Deuteranomaly

23.4008, 24.1704, 19.0548

Tritanomaly

22.7107, 24.2883, 25.6814

Monochromacy



Original Color

21.3632, 24.3809, 18.9093

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.8814, 23.7141, 22.8261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3632, 24.3809, 18.9093 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(130, 139, 112)` looks like.

```
.text, #text, p{  
    color:rgb(130, 139, 112)  
}
```

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(130, 139, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 139, 112) }
```

Border

The CSS property to change the border of an element to XYZ 21.3632, 24.3809, 18.9093 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(130, 139, 112) }
```


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

```
.border{ border-color:rgb(130, 139, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 139, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 139, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 139, 112);  
box-shadow:4px 4px 4px 4px rgb(130, 139,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3632, 24.3809, 18.9093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 139, 112) }
```

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

```
.background{ background-color: rgb(130,  
139, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor