

Converting Colors

XYZ(20.8198, 24.2971, 14.3583)

Have a look what the booklet for
XYZ(20.8198, 24.2971, 14.3583)
contains.

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Color

**XYZ(20.8139, 24.1970,
14.4000)**

Conversions

Conversions Part 1

Format	Color
Hex	848B5F
RGB	132, 139, 95
RGB Percent	52%, 55%, 37%
CMY	0.4824, 0.4549, 0.6274
CMYK	0.05, 0.00, 0.32, 0.45
HSL	70°, 19%, 46%
HSV	70°, 32%, 55%
XYZ	20.8139, 24.1970, 14.4000
YIQ	131.8910, 9.9520, -15.1680

Conversions

Conversions Part 2

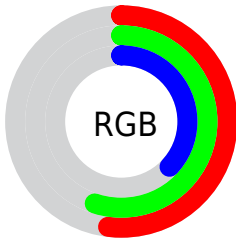
Format	Color
RYB	95, 139, 102
Decimal	8686431
CIELab	56.28, -10.20, 22.73
CIElCh	56, 24.913, 114.157
Yxy	24.1970, 0.3503, 0.4073
Android (android.graphics.Color)	4286876511 (0xFF848B5F)
YUV	131.8910, -18.1873, 0.0956
Hunter-Lab	49.1904, -10.5548, 17.0768

Details

The XYZ color **20.8139, 24.1970, 14.4000** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.2329, 12.8740, 26.1622**, and the grayscale version is **21.9543, 23.0977, 25.1533**.

A 20% lighter version of the original color is **44.2876, 50.2137, 34.5521**, and **7.5856, 9.1520, 4.1630** is the 20% darker color. If you saturate the color by 10%, you get **19.8955, 23.7909, 11.3480**, and if you desaturate by 10%, it is **21.8536, 24.6541, 18.0473**.

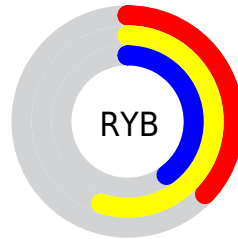
Distribution



Red (52%)

Green (55%)

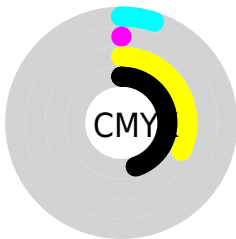
Blue (37%)



Red (37%)

Yellow (55%)

Blue (40%)

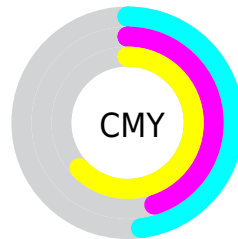


Cyan (5%)

Magenta (0%)

Yellow (32%)

Black (45%)



Cyan (48%)

Magenta (45%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8139, 24.1970, 14.4000 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 20.8139, 24.1970, 14.4000 by changing the saturation by 10% instead.

■ 20.8139, 24.1970,
14.4000

■ 20.8139, 24.1970,
14.4000

249.0383,
273.8149, 231.2196

■ 13.0997, 15.4798,
8.2575

■ 44.2712, 50.3515,
34.5244

■ 7.5747, 9.1568,
4.1700

■ 60.7451, 68.5576,
49.3433

■ 3.8736, 4.8436,
1.7191

■ 80.8695, 90.6954,
67.8915

■ 1.6308, 2.1558,
0.3738

■ 105.0099,
117.1494, 90.5874

■ 0.4124, 0.6957,
0.0000

133.5317,
148.3040, 117.8497

■ 0.0000, 0.0000,
0.0000

166.8001,

184.5435, 150.0967

205.1805,
226.2524, 187.7472

■ 20.8139, 24.1970,
14.4000

■ 20.8139, 24.1970,
14.4000

■ 19.8955, 23.7909,
11.3480

■ 21.8536, 24.6541,
18.0473

■ 19.0906, 23.4303,
8.8582

■ 23.0184, 25.1613,
22.3175

■ 18.3932, 23.1134,
6.8964

■ 24.3142, 25.7217,
27.2385

■ 17.7959, 22.8375,
5.4245

■ 25.7458, 26.3373,
32.8361

■ 17.2905, 22.5991,
4.3990

■ 27.3180, 27.0100,
39.1344

■ 16.8672, 22.3944,
3.7687

■ 29.0351, 27.7416,
46.1567

■ 16.5531, 22.2398,
3.4203

■ 30.9015, 28.5337,
53.9249

■ 32.9210, 29.3880,
62.4602

■ 35.0977, 30.3060,
71.7828

Harmonies

Analogous

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



23.5647, 24.1970, 13.5473



20.8139, 24.1970, 14.4000



18.8101, 24.1970, 18.1355

Triad

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



20.8139, 24.1970, 14.4000



19.9170, 24.1970, 41.3414



28.9347, 24.1970, 27.9877

Complementary

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



20.8139, 24.1970, 14.4000



14.2329, 12.8740, 26.1622

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.



27.7667, 24.1970, 36.7231



20.8139, 24.1970, 14.4000



22.4415, 24.1970, 45.3965

Square

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



20.8139, 24.1970, 14.4000



18.3232, 24.1970, 33.3557



25.3309, 24.1970, 43.5514



28.4083, 24.1970, 20.3951

Rectangle

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



20.8139, 24.1970, 14.4000



18.0891, 24.1970, 22.2643



25.3309, 24.1970, 43.5514



28.7244, 24.1970, 30.8993

Sweetspot

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



20.8145, 24.1981, 14.4005



41.7684, 45.2949, 42.0221



17.4260, 15.7402, 12.9466



9.5567, 10.4077, 9.4285



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.



20.8145, 24.1981, 14.4005



36.0718, 42.8007, 21.7628



17.7794, 22.6334, 14.2585



5.3542, 5.8054, 5.3907



14.9509, 20.0774, 3.0873



0.1090, 0.1384, 0.0210

Inverse Universe

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



14.2329, 12.8740, 26.1622



22.3647, 19.2079, 46.2717



17.0077, 14.3045, 26.2921



4.8440, 4.9280, 6.3017



4.5175, 1.8430, 22.1633



0.0381, 0.0164, 0.1476

Previews

White Background



This preview shows how the XYZ color 20.8139, 24.1970, 14.4000 looks on a white background.

Color Contrast Check

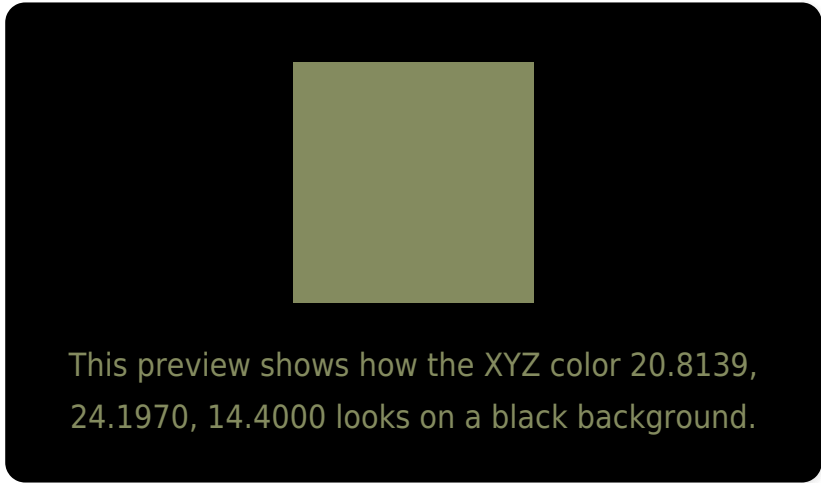
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

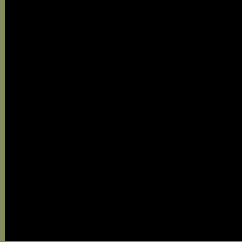
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8139, 24.1970, 14.4000

Background



This preview shows how black text looks on a background with the XYZ color 20.8139, 24.1970, 14.4000.



This preview shows how white text looks on a background with the XYZ color 20.8139, 24.1970,

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

20.8139, 24.1970, 14.4000

Protanopia

22.4938, 24.2293, 13.8471

Deuteranopia

24.5051, 24.0372, 14.6573



Tritanopia

23.8267, 24.1615, 29.3944

Trichromacy



Original Color

20.8139, 24.1970, 14.4000

Protanomaly

21.8090, 24.0792, 14.0880

Deuteranomaly

23.0765, 24.1036, 14.5025

Tritanomaly

22.5832, 24.0685, 23.1941

Monochromacy



Original Color

20.8139, 24.1970, 14.4000

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5095, 23.5654, 20.8677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8139, 24.1970, 14.4000 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(132, 139, 95)` looks like.

```
.text, #text, p{  
    color:rgb(132, 139, 95)  
}
```

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(132, 139, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 139, 95) }
```

Border

The CSS property to change the border of an element to XYZ 20.8139, 24.1970, 14.4000 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(132, 139, 95) }
```


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

```
.border{ border-color:rgb(132, 139, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 139, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 139, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 139, 95);  
box-shadow:4px 4px 4px 4px rgb(132, 139,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8139, 24.1970, 14.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 139, 95) }
```

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

```
.background{ background-color: rgb(132,  
139, 95) }
```

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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