

Converting Colors

XYZ(21.9680, 24.5395, 16.1491)

Have a look what the booklet for
XYZ(21.9680, 24.5395, 16.1491)
contains.

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Color

**XYZ(21.9680, 24.5395,
16.1491)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8A66
RGB	138, 138, 102
RGB Percent	54%, 54%, 40%
CMY	0.4588, 0.4588, 0.6000
CMYK	0.00, 0.00, 0.26, 0.46
HSL	60°, 15%, 47%
HSV	60°, 26%, 54%
XYZ	21.9680, 24.5395, 16.1491
YIQ	133.8960, 11.5560, -11.1960

Conversions

Conversions Part 2

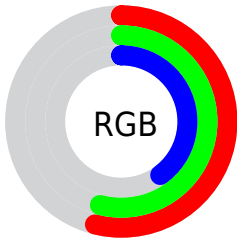
Format	Color
R_{YB}	102, 138, 102
Decimal	9079398
CIE Lab	56.62, -6.19, 19.35
CIE LCh	57, 20.313, 107.737
Yxy	24.5395, 0.3506, 0.3917
Android (android.graphics.Color)	4287269478 (0xFF8A8A66)
YUV	133.8960, -15.7247, 3.5992
Hunter-Lab	49.5374, -7.5322, 15.3477

Details

The XYZ color **21.9680, 24.5395, 16.1491** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.8191, 14.1631, 25.9988**, and the grayscale version is **22.6752, 23.8561, 25.9793**.

A 20% lighter version of the original color is **46.1188, 50.7680, 37.5055**, and **8.2038, 9.3300, 4.9829** is the 20% darker color. If you saturate the color by 10%, you get **21.3399, 24.2891, 12.8397**, and if you desaturate by 10%, it is **22.7113, 24.8377, 20.0597**.

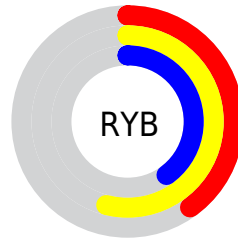
Distribution



Red (54%)

Green (54%)

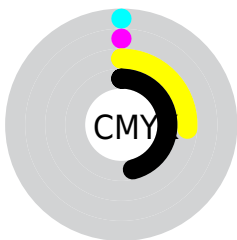
Blue (40%)



Red (40%)

Yellow (54%)

Blue (40%)

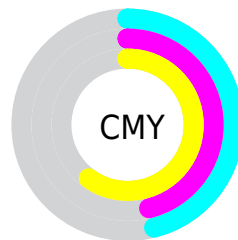


Cyan (0%)

Magenta (0%)

Yellow (26%)

Black (46%)



Cyan (46%)

Magenta (46%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9680, 24.5395, 16.1491 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 21.9680, 24.5395, 16.1491 by changing the saturation by 10% instead.

■ 21.9680, 24.5395,
16.1491

■ 21.9680, 24.5395,
16.1491

255.0146,
275.5368, 242.0956

■ 13.9499, 15.7343,
9.4742

■ 46.1723, 50.9092,
37.6272

■ 8.1673, 9.3363,
4.9508

■ 63.0893, 69.2424,
53.2676

■ 4.2549, 4.9612,
2.1602

■ 83.7032, 91.5205,
72.7335

■ 1.8473, 2.2245,
0.6512

■ 108.3794,
118.1278, 96.4435

■ 0.5459, 0.7333,
0.0000

137.4833,
149.4486, 124.8162

■ 0.0000, 0.0000,
0.0000

171.3802,

185.8675, 158.2701

210.4355,
227.7687, 197.2237

■ 21.9680, 24.5395,
16.1491

■ 21.9680, 24.5395,
16.1491

■ 21.3399, 24.2891,
12.8397

■ 22.7113, 24.8377,
20.0597

■ 20.8195, 24.0809,
10.1003

■ 23.5732, 25.1825,
24.5975

■ 20.4013, 23.9136,
7.8991

■ 24.5593, 25.5769,
29.7891

■ 20.0786, 23.7845,
6.2008

■ 25.6741, 26.0229,
35.6588

■ 19.8439, 23.6906,
4.9657

■ 26.9222, 26.5221,
42.2299

■ 19.6885, 23.6284,
4.1481

■ 28.3076, 27.0763,
49.5244

■ 19.5986, 23.5924,
3.6759

■ 29.8344, 27.6870,
57.5635

■ 19.5690, 23.5806,
3.5201

■ 31.5064, 28.3559,
66.3675

■ 33.3275, 29.0843,
75.9558

Harmonies

Analogous

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



24.3018, 24.5395, 15.9204



21.9680, 24.5395, 16.1491



20.1226, 24.5395, 18.8934

Triad

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



21.9680, 24.5395, 16.1491



20.4018, 24.5395, 37.5443



28.0482, 24.5395, 29.5776

Complementary

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



21.9680, 24.5395, 16.1491



14.8191, 14.1631, 25.9988

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.



26.8482, 24.5395, 36.4535



21.9680, 24.5395, 16.1491



22.3729, 24.5395, 41.5468

Square

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



21.9680, 24.5395, 16.1491



19.2612, 24.5395, 30.8798



24.7348, 24.5395, 41.1170



27.9215, 24.5395, 22.9505

Rectangle

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



21.9680, 24.5395, 16.1491



19.3694, 24.5395, 22.0894



24.7348, 24.5395, 41.1170



27.7834, 24.5395, 31.9548

Sweetspot

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



21.9686, 24.5406, 16.1496



41.2156, 44.2525, 41.5955



17.6316, 15.8659, 14.7038



9.1970, 9.9066, 9.0800



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



21.9686, 24.5406, 16.1496



38.0796, 42.9980, 25.0855



19.2334, 23.1305, 16.0216



5.4310, 5.8449, 5.3943



17.9410, 21.6189, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



14.8191, 14.1631, 25.9988



23.3823, 21.6648, 45.3325



17.0852, 15.3313, 26.1048



4.7747, 4.8923, 6.2985



4.2062, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 21.9680, 24.5395, 16.1491 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 21.9680, 24.5395, 16.1491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

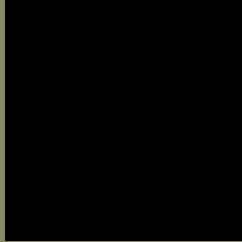
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

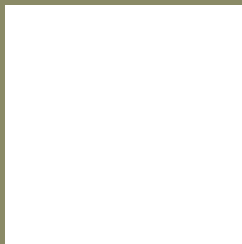
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9680, 24.5395, 16.1491

Background



This preview shows how black text looks on a background with the XYZ color 21.9680, 24.5395, 16.1491.



This preview shows how white text looks on a background with the XYZ color 21.9680, 24.5395,

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

21.9680, 24.5395, 16.1491

Protanopia

23.0072, 24.6589, 15.8590

Deuteranopia

24.9785, 24.4383, 16.4973



Tritanopia

24.6731, 24.5979, 29.4340

Trichromacy



Original Color

21.9680, 24.5395, 16.1491

Protanomaly

22.6223, 24.6705, 15.8815

Deuteranomaly

23.7846, 24.4297, 16.2938

Tritanomaly

23.5448, 24.5492, 23.9196

Monochromacy



Original Color

21.9680, 24.5395, 16.1491

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.1685, 23.8840, 21.8540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9680, 24.5395, 16.1491 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(138, 138, 102)` looks like.

```
.text, #text, p{  
    color:rgb(138, 138, 102)  
}
```

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(138, 138, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 138, 102) }
```

Border

The CSS property to change the border of an element to XYZ 21.9680, 24.5395, 16.1491 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(138, 138, 102) }
```


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

```
.border{ border-color:rgb(138, 138, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 138, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 138, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 138, 102);  
box-shadow:4px 4px 4px 4px rgb(138, 138,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9680, 24.5395, 16.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 138, 102) }
```

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

```
.background{ background-color: rgb(138,  
138, 102) }
```

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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