

Converting Colors

XYZ(19.9297, 23.7749, 17.0934)

Have a look what the booklet for
XYZ(19.9297, 23.7749, 17.0934)
contains.

XYZ(19.8602, 23.6434, 17.1526)	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(19.8602, 23.6434,
17.1526)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8B6A
RGB	122, 139, 106
RGB Percent	48%, 55%, 42%
CMY	0.5216, 0.4549, 0.5843
CMYK	0.12, 0.00, 0.24, 0.45
HSL	91°, 13%, 48%
HSV	91°, 24%, 55%
XYZ	19.8602, 23.6434, 17.1526
YIQ	130.1550, 0.4610, -13.8670

Conversions

Conversions Part 2

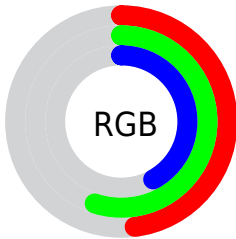
Format	Color
R_{YB}	106, 139, 123
Decimal	8031082
CIE Lab	55.73, -12.48, 15.66
CIE LCh	56, 20.018, 128.553
Yxy	23.6434, 0.3274, 0.3898
Android (android.graphics.Color)	4286221162 (0xFF7A8B6A)
YUV	130.1550, -11.9084, -7.1519
Hunter-Lab	48.6245, -12.1862, 13.1222

Details

The XYZ color **19.8602, 23.6434, 17.1526** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.9835, 16.3838, 26.6419**, and the grayscale version is **21.3142, 22.4242, 24.4200**.

A 20% lighter version of the original color is **42.8350, 49.6882, 39.2314**, and **7.1094, 8.8770, 5.4764** is the 20% darker color. If you saturate the color by 10%, you get **18.2184, 22.8746, 13.6034**, and if you desaturate by 10%, it is **21.6952, 24.4997, 21.3235**.

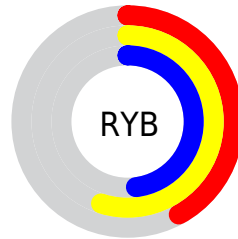
Distribution



Red (48%)

Green (55%)

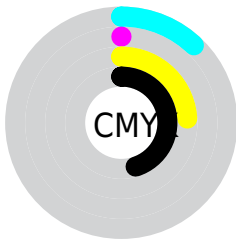
Blue (42%)



Red (42%)

Yellow (55%)

Blue (48%)

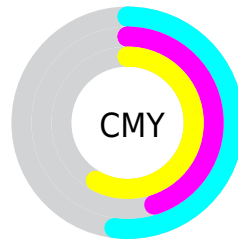


Cyan (12%)

Magenta (0%)

Yellow (24%)

Black (45%)



Cyan (52%)

Magenta (45%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8602, 23.6434, 17.1526 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 19.8602, 23.6434, 17.1526 by changing the saturation by 10% instead.

■ 19.8602, 23.6434,
17.1526

■ 19.8602, 23.6434,
17.1526

244.0053,
271.0126, 248.1239

■ 12.4011, 15.0693,
10.1802

■ 42.6884, 49.4477,
39.3822

■ 7.0916, 8.8680,
5.4115

■ 58.7883, 67.4466,
55.4765

■ 3.5663, 4.6552,
2.4277

■ 78.4991, 89.3560,
75.4486

■ 1.4598, 2.0464,
0.8015

■ 102.1863,
115.5601, 99.7169

■ 0.2983, 0.6342,
0.0000

130.2151,
146.4435, 128.7001

■ 0.0000, 0.0000,
0.0000

162.9510,

182.3904, 162.8166

200.7593,
223.7853, 202.4850

■ 19.8602, 23.6434,
17.1526

■ 19.8602, 23.6434,
17.1526

■ 18.2184, 22.8746,
13.6034

■ 21.6952, 24.4997,
21.3235

■ 16.7607, 22.1871,
10.6447

■ 23.7283, 25.4432,
26.1424

■ 15.4799, 21.5786,
8.2447

■ 25.9667, 26.4779,
31.6358

■ 14.3677, 21.0456,
6.3680

■ 28.4164, 27.6062,
37.8284

■ 13.4148, 20.5843,
4.9755

■ 31.0832, 28.8307,
44.7436

■ 12.6109, 20.1901,
4.0221

■ 33.9729, 30.1539,
52.4037

■ 11.9436, 19.8580,
3.4533

■ 37.0907, 31.5779,
60.8301

■ 11.5746, 19.6733,
3.1873

■ 40.4420, 33.1051,
70.0432

■ 44.0317, 34.7376,
80.0629

Harmonies

Analogous

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



21.8294, 23.6434, 15.2547



19.8602, 23.6434, 17.1526



18.6495, 23.6434, 21.4378

Triad

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



19.8602, 23.6434, 17.1526



20.9138, 23.6434, 39.2202



27.0711, 23.6434, 23.9289

Complementary

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



19.8602, 23.6434, 17.1526



17.9835, 16.3838, 26.6419

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.



26.7849, 23.6434, 30.5905



19.8602, 23.6434, 17.1526



23.1278, 23.6434, 40.1902

Square

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



19.8602, 23.6434, 17.1526



19.2286, 23.6434, 34.3472



25.3040, 23.6434, 36.8098



26.0617, 23.6434, 18.7120

Rectangle

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



19.8602, 23.6434, 17.1526



18.3850, 23.6434, 25.4292



25.3040, 23.6434, 36.8098



27.1245, 23.6434, 26.0607

Sweetspot

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



19.8608, 23.6444, 17.1531



41.2088, 44.9679, 43.7377



20.2710, 20.5726, 16.5386



9.4541, 10.3425, 9.9795



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.



19.8608, 23.6444, 17.1531



34.0919, 41.6513, 27.4873



17.7787, 22.5711, 17.0557



5.1875, 5.7194, 5.3829



10.4658, 17.7653, 2.8774



0.0863, 0.1267, 0.0199

Inverse Universe

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



17.9835, 16.3838, 26.6419



30.1778, 26.5136, 47.2701



20.4626, 17.6618, 26.7579



5.0043, 5.0106, 6.3092



6.6120, 2.9227, 22.2613



0.0608, 0.0281, 0.1487

Previews

White Background



This preview shows how the XYZ color 19.8602, 23.6434, 17.1526 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 19.8602, 23.6434, 17.1526 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 19.8602, 23.6434, 17.1526

Background



This preview shows how black text looks on a background with the XYZ color 19.8602, 23.6434, 17.1526.



This preview shows how white text looks on a background with the XYZ color 19.8602, 23.6434,

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

19.8602, 23.6434, 17.1526

Protanopia

21.9910, 23.5051, 16.2099

Deuteranopia

23.9435, 23.4896, 17.4593



Tritanopia

22.4612, 23.6530, 29.7672

Trichromacy



Original Color

19.8602, 23.6434, 17.1526

Protanomaly

21.1543, 23.4783, 16.5135

Deuteranomaly

22.2328, 23.4037, 17.2555

Tritanomaly

21.4376, 23.6556, 24.5552

Monochromacy



Original Color

19.8602, 23.6434, 17.1526

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.5911, 22.6676, 21.3792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8602, 23.6434, 17.1526 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(122, 139, 106)` looks like.

```
.text, #text, p{  
    color:rgb(122, 139, 106)  
}
```

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(122, 139, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 139, 106) }
```

Border

The CSS property to change the border of an element to XYZ 19.8602, 23.6434, 17.1526 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(122, 139, 106) }
```


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

```
.border{ border-color:rgb(122, 139, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 139, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 139, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 139, 106); box-shadow:4px 4px 4px 4px rgb(122, 139, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8602, 23.6434, 17.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 139, 106) }
```

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

```
.background{ background-color: rgb(122,  
139, 106) }
```

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