

Converting Colors

XYZ(19.9301, 23.3769, 21.1256)

Have a look what the booklet for
XYZ(19.9301, 23.3769, 21.1256)
contains.

XYZ(19.9499, 23.3846, 21.2315)	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(19.9499, 23.3846,
21.2315)**

Conversions

Conversions Part 1

Format	Color
Hex	768A78
RGB	118, 138, 120
RGB Percent	46%, 54%, 47%
CMY	0.5373, 0.4588, 0.5294
CMYK	0.14, 0.00, 0.13, 0.46
HSL	126°, 8%, 50%
HSV	126°, 14%, 54%
XYZ	19.9499, 23.3846, 21.2315
YIQ	129.9680, -6.1420, -9.8380

Conversions

Conversions Part 2

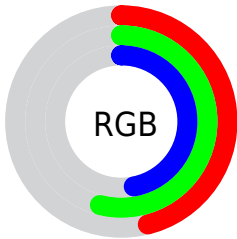
Format	Color
R_{YB}	118, 136, 138
Decimal	7768696
CIE _{Lab}	55.47, -10.90, 7.24
CIE _{LCh}	55, 13.084, 146.397
Yxy	23.3846, 0.3090, 0.3622
Android (android.graphics.Color)	4285958776 (0xFF768A78)
YUV	129.9680, -4.9142, -10.4959
Hunter-Lab	48.3576, -10.9858, 7.8190

Details

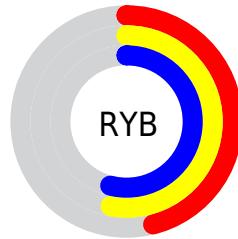
The XYZ color **19.9499, 23.3846, 21.2315** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.4045, 20.1384, 26.0527**, and the grayscale version is **21.2257, 22.3311, 24.3186**.

A 20% lighter version of the original color is **42.6548, 48.7862, 46.1983**, and **7.1137, 8.7125, 7.4376** is the 20% darker color. If you saturate the color by 10%, you get **17.5057, 22.2068, 17.4343**, and if you desaturate by 10%, it is **22.7674, 24.7449, 25.5576**.

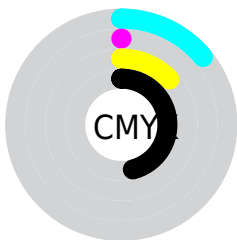
Distribution



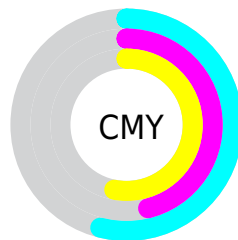
- Red (46%)
- Green (54%)
- Blue (47%)



- Red (46%)
- Yellow (53%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (13%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9499, 23.3846, 21.2315 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 19.9499, 23.3846, 21.2315 by changing the saturation by 10% instead.

■ 19.9499, 23.3846,
21.2315

■ 19.9499, 23.3846,
21.2315

244.4825,
269.6943, 271.3276

■ 12.4667, 14.8778,
13.1004

■ 42.8378, 49.0241,
46.3583

■ 7.1368, 8.7336,
7.3662

■ 58.9731, 66.9255,
64.1911

■ 3.5949, 4.5679,
3.6103

■ 78.7232, 88.7272,
86.0949

■ 1.4756, 1.9960,
1.4141

102.4534,
114.8136, 112.4882

■ 0.3091, 0.6052,
0.1527

130.5291,
145.5692, 143.7896

■ 0.0000, 0.0000,
0.0000

163.3156,

181.3782, 180.4176

201.1783,
222.6251, 222.7907

■ 19.9499, 23.3846,
21.2315

■ 19.9499, 23.3846,
21.2315

■ 17.5057, 22.2068,
17.4343

■ 22.7674, 24.7449,
25.5576

■ 15.4173, 21.2008,
14.1443

■ 25.9710, 26.2919,
30.4303

■ 13.6686, 20.3596,
11.3404

■ 29.5751, 28.0333,
35.8681

■ 12.2417, 19.6743,
8.9996

■ 33.5931, 29.9755,
41.8885

■ 11.1167, 19.1353,
7.0971

■ 38.0373, 32.1247,
48.5080

■ 10.2718, 18.7319,
5.6054

■ 42.9200, 34.4867,
55.7425

■ 9.6820, 18.4518,
4.4943

■ 48.2526, 37.0672,
63.6074

■ 9.3161, 18.2797,
3.7293

■ 54.0464, 39.8717,
72.1174

■ 9.1668, 18.2090,
3.4399

■ 60.3120, 42.9052,
81.2870

Harmonies

Analogous

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



20.9908, 23.3846, 18.8655



19.9499, 23.3846, 21.2315



19.5179, 23.3846, 24.9556

Triad

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



19.9499, 23.3846, 21.2315



22.0489, 23.3846, 34.4453



24.8610, 23.3846, 22.0232

Complementary

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



19.9499, 23.3846, 21.2315



21.4045, 20.1384, 26.0527

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.



25.1745, 23.3846, 25.9749



19.9499, 23.3846, 21.2315



23.5095, 23.3846, 33.4403

Square

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



19.9499, 23.3846, 21.2315



20.6955, 23.3846, 32.8328



24.6697, 23.3846, 30.2198



23.8309, 23.3846, 19.2859

Rectangle

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



19.9499, 23.3846, 21.2315



19.6186, 23.3846, 27.8210



24.6697, 23.3846, 30.2198



25.0556, 23.3846, 23.2400

Sweetspot

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



19.9505, 23.3856, 21.2320



40.3467, 43.7199, 45.3792



22.5671, 24.7483, 20.7274



8.9693, 9.7674, 10.0557



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.



19.9505, 23.3856, 21.2320



33.8622, 40.5910, 35.4089



20.5674, 23.6323, 24.4803



4.9909, 5.6158, 5.4729



8.4072, 16.6955, 3.1690



0.0581, 0.1118, 0.0332

Inverse Universe

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



21.4045, 20.1384, 26.0527



36.8730, 33.8662, 45.3912



20.7479, 19.8757, 22.5952



5.2127, 5.1205, 6.2084



12.9602, 6.2942, 18.0924



0.0890, 0.0430, 0.1354

Previews

White Background



This preview shows how the XYZ color 19.9499, 23.3846, 21.2315 looks on a white background.

Color Contrast Check

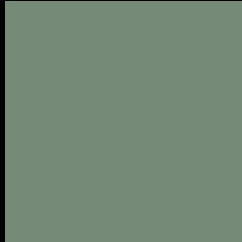
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9499, 23.3846, 21.2315 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 19.9499, 23.3846, 21.2315

Background



This preview shows how black text looks on a background with the XYZ color 19.9499, 23.3846, 21.2315.



This preview shows how white text looks on a background with the XYZ color 19.9499, 23.3846,

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

19.9499, 23.3846, 21.2315

Protanopia

22.1096, 23.2759, 20.1570

Deuteranopia

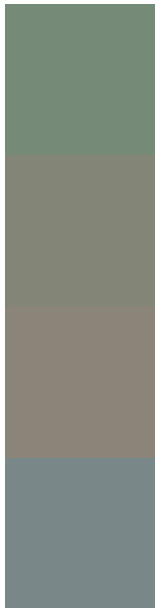
23.6264, 23.2330, 21.6515



Tritanopia

21.6620, 23.2321, 30.1306

Trichromacy



Original Color

19.9499, 23.3846, 21.2315

Protanomaly

21.1552, 23.1835, 20.4994

Deuteranomaly

22.1837, 23.2863, 21.4147

Tritanomaly

20.9931, 23.1705, 26.6584

Monochromacy



Original Color

19.9499, 23.3846, 21.2315

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7576, 22.7170, 23.0294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9499, 23.3846, 21.2315 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(118, 138, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 138, 120)  
}
```

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(118, 138, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 138, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.9499, 23.3846, 21.2315 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(118, 138, 120) }
```


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

```
.border{ border-color:rgb(118, 138, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 138, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 138, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 138, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 138,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9499, 23.3846, 21.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 138, 120) }
```

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

```
.background{ background-color: rgb(118,  
138, 120) }
```

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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