

Converting Colors

XYZ(19.5855, 23.6709, 14.3650)

Have a look what the booklet for
XYZ(19.5855, 23.6709, 14.3650)
contains.

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Color

**XYZ(19.6120, 23.7933,
14.3854)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8C5F
RGB	123, 140, 95
RGB Percent	48%, 55%, 37%
CMY	0.5176, 0.4510, 0.6274
CMYK	0.12, 0.00, 0.32, 0.45
HSL	83°, 19%, 46%
HSV	83°, 32%, 55%
XYZ	19.6120, 23.7933, 14.3854
YIQ	129.7870, 4.3130, -17.5990

Conversions

Conversions Part 2

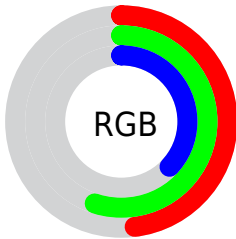
Format	Color
R_{YB}	95, 140, 112
Decimal	8096863
CIE _{Lab}	55.88, -14.37, 22.07
CIE _{LCh}	56, 26.334, 123.069
Yxy	23.7933, 0.3394, 0.4117
Android (android.graphics.Color)	4286286943 (0xFF7B8C5F)
YUV	129.7870, -17.1500, -5.9522
Hunter-Lab	48.7784, -13.5938, 16.6594

Details

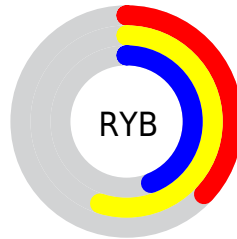
The XYZ color **19.6120, 23.7933, 14.3854** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5089, 13.5233, 26.6051**, and the grayscale version is **21.2009, 22.3050, 24.2902**.

A 20% lighter version of the original color is **42.3846, 49.8890, 34.5898**, and **6.9373, 8.9422, 4.1567** is the 20% darker color. If you saturate the color by 10%, you get **18.2958, 23.1825, 11.2952**, and if you desaturate by 10%, it is **21.0848, 24.4730, 18.0810**.

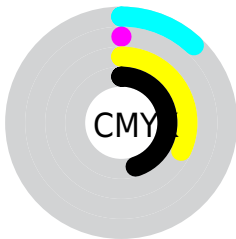
Distribution



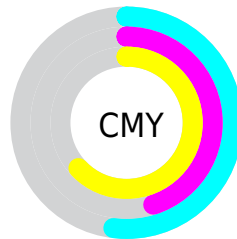
- Red (48%)
- Green (55%)
- Blue (37%)



- Red (37%)
- Yellow (55%)
- Blue (44%)



- Cyan (12%)
- Magenta (0%)
- Yellow (32%)
- Black (45%)



- Cyan (52%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6120, 23.7933, 14.3854 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 19.6120, 23.7933, 14.3854 by changing the saturation by 10% instead.

■ 19.6120, 23.7933,
14.3854

■ 19.6120, 23.7933,
14.3854

242.6806,
271.7738, 231.1266

■ 12.2199, 15.1804,
8.2474

■ 42.2746, 49.6927,
34.4982

■ 6.9669, 8.9461,
4.1636

■ 58.2759, 67.7479,
49.3101

■ 3.4876, 4.7060,
1.7155

■ 77.8777, 89.7194,
67.8504

■ 1.4165, 2.0758,
0.3713

■ 101.4452,
115.9915, 90.5377

■ 0.2680, 0.6510,
0.0000

129.3439,
146.9485, 117.7904

■ 0.0000, 0.0000,
0.0000

161.9392,

182.9750, 150.0270

199.5963,
224.4553, 187.6663

■ 19.6120, 23.7933,
14.3854

■ 19.6120, 23.7933,
14.3854

■ 18.2958, 23.1825,
11.2952

■ 21.0848, 24.4730,
18.0810

■ 17.1275, 22.6348,
8.7766

■ 22.7185, 25.2211,
22.4104

■ 16.1004, 22.1481,
6.7947

■ 24.5198, 26.0411,
27.4020

■ 15.2063, 21.7191,
5.3102

■ 26.4941, 26.9352,
33.0820

■ 14.4361, 21.3441,
4.2787

■ 28.6469, 27.9057,
39.4753

■ 13.7792, 21.0188,
3.6474

■ 30.9831, 28.9547,
46.6055

■ 13.3189, 20.7885,
3.3106

■ 33.5075, 30.0841,
54.4951

■ 36.2249, 31.2958,
63.1656

■ 39.1396, 32.5918,
72.6377

Harmonies

Analogous

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



22.3075, 23.7933, 12.6674



19.6120, 23.7933, 14.3854



17.8534, 23.7933, 19.1238

Triad

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



19.6120, 23.7933, 14.3854



20.1023, 23.7933, 43.5962



28.8756, 23.7933, 25.0326

Complementary

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



19.6120, 23.7933, 14.3854



15.5089, 13.5233, 26.6051

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.



28.1554, 23.7933, 34.1296



19.6120, 23.7933, 14.3854



22.9250, 23.7933, 46.1446

Square

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



19.6120, 23.7933, 14.3854



18.1185, 23.7933, 36.0034



25.9095, 23.7933, 42.3571



27.7996, 23.7933, 17.9000

Rectangle

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



19.6120, 23.7933, 14.3854



17.3599, 23.7933, 23.9647



25.9095, 23.7933, 42.3571



28.8357, 23.7933, 27.9512

Sweetspot

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



19.6126, 23.7943, 14.3859



40.6422, 44.7332, 41.1168



18.6208, 17.8808, 13.2967



9.2773, 10.2676, 9.2351



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.



19.6126, 23.7943, 14.3859



32.7698, 41.1100, 21.0858



16.8112, 22.3502, 14.2548



5.2510, 5.7521, 5.3859



11.8562, 18.4821, 2.9425



0.0951, 0.1312, 0.0203

Inverse Universe

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



15.5089, 13.5233, 26.6051



24.3052, 19.9138, 46.3057



18.6582, 15.1468, 26.7524



4.9416, 4.9783, 6.3063



5.5264, 2.3631, 22.2105



0.0521, 0.0236, 0.1483

Previews

White Background



This preview shows how the XYZ color 19.6120, 23.7933, 14.3854 looks on a white background.

Color Contrast Check

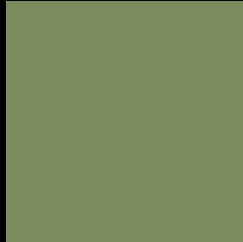
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6120, 23.7933, 14.3854 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 19.6120, 23.7933, 14.3854

Background



This preview shows how black text looks on a background with the XYZ color 19.6120, 23.7933, 14.3854.



This preview shows how white text looks on a background with the XYZ color 19.6120, 23.7933,

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

19.6120, 23.7933, 14.3854

Protanopia

21.9585, 23.7522, 13.5525

Deuteranopia

24.0243, 23.5893, 14.8422



Tritanopia

22.7651, 23.8096, 29.7814

Trichromacy



Original Color

19.6120, 23.7933, 14.3854

Protanomaly

20.9333, 23.6329, 13.8142

Deuteranomaly

22.0860, 23.3853, 14.6590

Tritanomaly

21.3225, 23.6267, 23.1753

Monochromacy



Original Color

19.6120, 23.7933, 14.3854

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.4884, 22.8466, 20.1596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6120, 23.7933, 14.3854 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(123, 140, 95)` looks like.

```
.text, #text, p{  
    color:rgb(123, 140, 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(123, 140, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 140, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.6120, 23.7933, 14.3854 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(123, 140, 95) }
```


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

```
.border{ border-color:rgb(123, 140, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 140, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 140, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 140, 95);  
box-shadow:4px 4px 4px 4px rgb(123, 140,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6120, 23.7933, 14.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 140, 95) }
```

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

```
.background{ background-color: rgb(123,  
140, 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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