

Converting Colors

XYZ(19.0699, 23.6899, 16.1910)

Have a look what the booklet for
XYZ(19.0699, 23.6899, 16.1910)
contains.

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Color

**XYZ(19.1256, 23.7221,
16.1412)**

Conversions

Conversions Part 1

Format	Color
Hex	748D66
RGB	116, 141, 102
RGB Percent	45%, 55%, 40%
CMY	0.5451, 0.4470, 0.6000
CMYK	0.18, 0.00, 0.28, 0.45
HSL	98°, 16%, 48%
HSV	98°, 28%, 55%
XYZ	19.1256, 23.7221, 16.1412
YIQ	129.0790, -2.3810, -17.4290

Conversions

Conversions Part 2

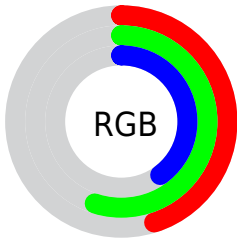
Format	Color
R_{YB}	102, 141, 127
Decimal	7638374
CIE _{Lab}	55.81, -16.52, 17.96
CIE _{LCh}	56, 24.403, 132.616
Yxy	23.7221, 0.3242, 0.4021
Android (android.graphics.Color)	4285828454 (0xFF748D66)
YUV	129.0790, -13.3499, -11.4703
Hunter-Lab	48.7053, -15.1410, 14.4447

Details

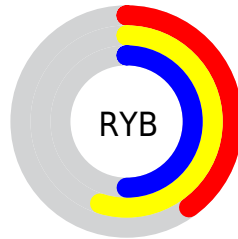
The XYZ color **19.1256, 23.7221, 16.1412** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.3126, 15.9386, 27.3119**, and the grayscale version is **20.9404, 22.0309, 23.9916**.

A 20% lighter version of the original color is **41.4133, 49.6550, 37.5386**, and **6.7454, 8.9513, 4.9867** is the 20% darker color. If you saturate the color by 10%, you get **17.3414, 22.8771, 12.7128**, and if you desaturate by 10%, it is **21.1469, 24.6770, 20.2026**.

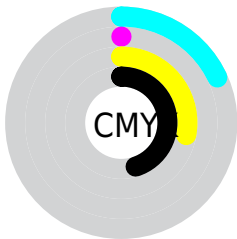
Distribution



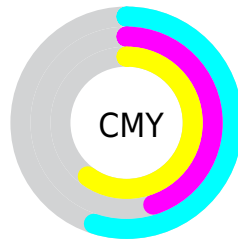
- Red (45%)
- Green (55%)
- Blue (40%)



- Red (40%)
- Yellow (55%)
- Blue (50%)



- Cyan (18%)
- Magenta (0%)
- Yellow (28%)
- Black (45%)



- Cyan (55%)
- Magenta (45%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1256, 23.7221, 16.1412 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 19.1256, 23.7221, 16.1412 by changing the saturation by 10% instead.

■ 19.1256, 23.7221,
16.1412

■ 19.1256, 23.7221,
16.1412

240.0661,
271.4125, 242.0476

■ 11.8656, 15.1276,
9.4687

■ 41.4615, 49.5763,
37.6134

■ 6.7238, 8.9090,
4.9472

■ 57.2680, 67.6048,
53.2501

■ 3.3347, 4.6819,
2.1581

■ 76.6542, 89.5468,
72.7120

■ 1.3332, 2.0618,
0.6500

■ 99.9853, 115.7867,
96.4175

■ 0.2078, 0.6430,
0.0000

127.6267,
146.7088, 124.7853

■ 0.0000, 0.0000,
0.0000

159.9437,

182.6975, 158.2339

197.3017,
224.1373, 197.1818

■ 19.1256, 23.7221,
16.1412

■ 19.1256, 23.7221,
16.1412

■ 17.3414, 22.8771,
12.7128

■ 21.1469, 24.6770,
20.2026

■ 15.7832, 22.1348,
9.8840

■ 23.4123, 25.7427,
24.9252

■ 14.4416, 21.4919,
7.6208

■ 25.9308, 26.9239,
30.3371

■ 13.3057, 20.9435,
5.8849

■ 28.7101, 28.2239,
36.4644

■ 12.3635, 20.4845,
4.6334

■ 31.7579, 29.6463,
43.3321

■ 11.6015, 20.1090,
3.8168

■ 35.0814, 31.1941,
50.9636

■ 10.9972, 19.8074,
3.3383

■ 38.6875, 32.8705,
59.3815

■ 10.8710, 19.7445,
3.2381

■ 42.5828, 34.6785,
68.6074

■ 46.7739, 36.6209,
78.6622

Harmonies

Analogous

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



21.4023, 23.7221, 13.6079



19.1256, 23.7221, 16.1412



17.8311, 23.7221, 21.5296

Triad

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



19.1256, 23.7221, 16.1412



20.9911, 23.7221, 43.3185



28.1620, 23.7221, 22.6349

Complementary

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



19.1256, 23.7221, 16.1412



18.3126, 15.9386, 27.3119

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.



28.0291, 23.7221, 30.6665



19.1256, 23.7221, 16.1412



23.7322, 23.7221, 43.7844

Square

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



19.1256, 23.7221, 16.1412



18.8459, 23.7221, 37.6121



26.3542, 23.7221, 38.7781



26.7038, 23.7221, 16.8068

Rectangle

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



19.1256, 23.7221, 16.1412



17.6283, 23.7221, 26.5328



26.3542, 23.7221, 38.7781



28.3051, 23.7221, 25.1384

Sweetspot

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



19.1262, 23.7231, 16.1417



41.7072, 45.9961, 44.1727



20.9345, 21.7244, 15.6606



9.1865, 10.2128, 9.5940



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.



19.1262, 23.7231, 16.1417



32.2679, 41.5432, 25.0608



17.6695, 22.9414, 17.4625



5.5142, 6.1177, 5.7796



9.9280, 18.0106, 2.9531



0.1174, 0.1838, 0.0293

Inverse Universe

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



18.3126, 15.9386, 27.3119



30.5648, 25.2789, 48.3962



20.1666, 16.9380, 25.4258



5.4410, 5.4155, 6.7873



8.2808, 3.7625, 23.2669



0.1033, 0.0484, 0.2236

Previews

White Background



This preview shows how the XYZ color 19.1256, 23.7221, 16.1412 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 19.1256, 23.7221, 16.1412 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 19.1256, 23.7221, 16.1412

Background



This preview shows how black text looks on a background with the XYZ color 19.1256, 23.7221, 16.1412.



This preview shows how white text looks on a background with the XYZ color 19.1256, 23.7221,

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

19.1256, 23.7221, 16.1412

Protanopia

21.9674, 23.5155, 15.1855

Deuteranopia

23.9793, 23.5262, 16.6418



Tritanopia

22.0207, 23.6142, 30.5915

Trichromacy



Original Color

19.1256, 23.7221, 16.1412

Protanomaly

20.7773, 23.5150, 15.5004

Deuteranomaly

21.8707, 23.4373, 16.4678

Tritanomaly

20.7207, 23.4961, 24.5622

Monochromacy



Original Color

19.1256, 23.7221, 16.1412

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.0295, 22.3921, 20.7192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1256, 23.7221, 16.1412 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(116, 141, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 141, 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(116, 141, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 141, 102) }
```

Border

The CSS property to change the border of an element to XYZ 19.1256, 23.7221, 16.1412 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(116, 141, 102) }
```


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

```
.border{ border-color:rgb(116, 141, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 141, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 141, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 141, 102);  
box-shadow:4px 4px 4px 4px rgb(116, 141,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1256, 23.7221, 16.1412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 141, 102) }
```

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

```
.background{ background-color: rgb(116,  
141, 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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