

Converting Colors

XYZ(23.1738, 19.8919, 11.7861)

Have a look what the booklet for
XYZ(23.1738, 19.8919, 11.7861)
contains.

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Color

**XYZ(23.1664, 19.8573,
11.8444)**

Conversions

Conversions Part 1

Format	Color
Hex	A76D58
RGB	167, 109, 88
RGB Percent	65%, 43%, 35%
CMY	0.3451, 0.5725, 0.6549
CMYK	0.00, 0.35, 0.47, 0.35
HSL	16°, 31%, 50%
HSV	16°, 47%, 65%
XYZ	23.1664, 19.8573, 11.8444
YIQ	123.9480, 41.3090, 5.7650

Conversions

Conversions Part 2

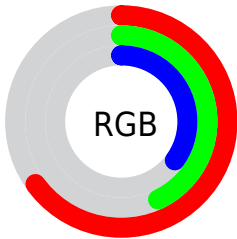
Format	Color
R_{YB}	167, 117, 88
Decimal	10972504
CIE Lab	51.68, 20.62, 21.21
CIE LCh	52, 29.582, 45.803
Yxy	19.8573, 0.4222, 0.3619
Android (android.graphics.Color)	4289162584 (0xFFA76D58)
YUV	123.9480, -17.7224, 37.7566
Hunter-Lab	44.5615, 14.8149, 15.4339

Details

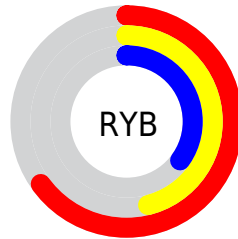
The XYZ color **23.1664, 19.8573, 11.8444** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2780, 25.4214, 40.3444**, and the grayscale version is **19.1888, 20.1881, 21.9849**.

A 20% lighter version of the original color is **48.0728, 43.1720, 29.8441**, and **8.7688, 6.9494, 3.0697** is the 20% darker color. If you saturate the color by 10%, you get **21.3344, 17.1765, 8.2030**, and if you desaturate by 10%, it is **25.3403, 22.9683, 16.3820**.

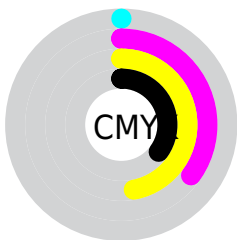
Distribution



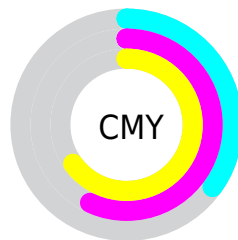
- Red (65%)
- Green (43%)
- Blue (35%)



- Red (65%)
- Yellow (46%)
- Blue (35%)



- Cyan (0%)
- Magenta (35%)
- Yellow (47%)
- Black (35%)



- Cyan (35%)
- Magenta (57%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1664, 19.8573, 11.8444 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 23.1664, 19.8573, 11.8444 by changing the saturation by 10% instead.

■ 23.1664, 19.8573,
11.8444

■ 23.1664, 19.8573,
11.8444

261.0979,
251.1416, 214.3137

■ 14.8378, 12.2914,
6.5166

■ 48.1311, 43.1778,
29.8715

■ 8.7912, 6.9424,
3.0878

■ 65.4978, 59.7012,
43.4079

■ 4.6613, 3.4261,
1.1397

■ 86.6080, 79.9791,
60.5176

■ 2.0826, 1.3580,
0.0000

■ 111.8270,
104.3960, 81.6190

■ 0.6797, 0.1855,
0.0000

■ 141.5201,
133.3364, 107.1308

■ 0.0000, 0.0000,
0.0000

176.0528,

167.1845, 137.4715

215.7902,
206.3247, 173.0596

■ 23.1664, 19.8573,
11.8444

■ 23.1664, 19.8573,
11.8444

■ 21.3344, 17.1765,
8.2030

■ 25.3403, 22.9683,
16.3820

■ 19.8244, 14.9036,
5.3963

■ 27.8716, 26.5248,
21.8692

■ 18.6165, 13.0186,
3.3570

■ 30.7767, 30.5447,
28.3568

■ 17.6875, 11.4984,
2.0065

■ 34.0704, 35.0442,
35.8913

■ 17.0059, 10.3151,
1.2240

■ 37.7667, 40.0385,
44.5166

■ 16.8519, 10.0468,
1.0510

■ 41.8788, 45.5424,
54.2740

■ 46.4195, 51.5699,
65.2024

■ 51.4009, 58.1344,
77.3391

■ 56.8345, 65.2490,
90.7197

Harmonies

Analogous

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



24.9555, 19.8573, 17.4450



23.1664, 19.8573, 11.8444



20.3174, 19.8573, 9.2761

Triad

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



23.1664, 19.8573, 11.8444



13.8364, 19.8573, 17.8335



20.4811, 19.8573, 41.6184

Complementary

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



23.1664, 19.8573, 11.8444



21.2780, 25.4214, 40.3444

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.



17.5002, 19.8573, 41.8032



23.1664, 19.8573, 11.8444



13.8703, 19.8573, 26.4159

Square

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



23.1664, 19.8573, 11.8444



15.0491, 19.8573, 12.0639



15.1471, 19.8573, 35.6841



23.2971, 19.8573, 35.2310

Rectangle

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



23.1664, 19.8573, 11.8444



18.2992, 19.8573, 9.0403



15.1471, 19.8573, 35.6841



19.4603, 19.8573, 42.4553

Sweetspot

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



23.1669, 19.8583, 11.8448



56.8443, 57.0702, 54.7001



24.7122, 17.3095, 29.7454



12.4554, 12.4075, 11.6381



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1669, 19.8583, 11.8448



37.9930, 30.4418, 14.2764



28.1704, 29.8653, 13.5126



7.6873, 7.8547, 7.9002



12.9308, 7.7589, 0.8161



0.3556, 0.2707, 0.0335

Inverse Universe

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



21.2780, 25.4214, 40.3444



34.1469, 41.5750, 71.7003



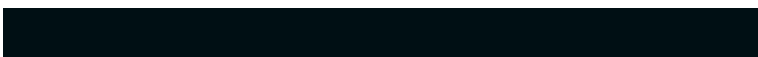
16.3360, 15.5374, 38.6971



7.5763, 8.1895, 9.5998



10.7611, 12.9824, 29.9142



0.3003, 0.3929, 0.7407

Previews

White Background



This preview shows how the XYZ color 23.1664, 19.8573, 11.8444 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 23.1664, 19.8573, 11.8444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

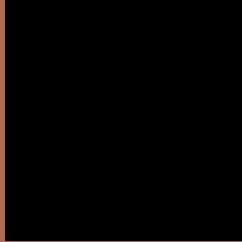
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1664, 19.8573, 11.8444

Background



This preview shows how black text looks on a background with the XYZ color 23.1664, 19.8573, 11.8444.



This preview shows how white text looks on a background with the XYZ color 23.1664, 19.8573,

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

23.1664, 19.8573, 11.8444

Protanopia

18.6191, 19.8796, 13.4455

Deuteranopia

20.1908, 19.8318, 11.5678



Tritanopia

24.3944, 19.7304, 18.1454

Trichromacy



Original Color

23.1664, 19.8573, 11.8444

Protanomaly

20.0873, 19.7493, 12.8785

Deuteranomaly

21.1775, 19.8196, 11.7262

Tritanomaly

23.8012, 19.6324, 15.6317

Monochromacy



Original Color

23.1664, 19.8573, 11.8444

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.2813, 19.9168, 17.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1664, 19.8573, 11.8444 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(167, 109, 88)` looks like.

```
.text, #text, p{  
    color:rgb(167, 109, 88)  
}
```

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(167, 109, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 109, 88) }
```

Border

The CSS property to change the border of an element to XYZ 23.1664, 19.8573, 11.8444 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(167, 109, 88) }
```


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

```
.border{ border-color:rgb(167, 109, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 109, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 109, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 109, 88);  
box-shadow:4px 4px 4px 4px rgb(167, 109,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1664, 19.8573, 11.8444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 109, 88) }
```

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

```
.background{ background-color: rgb(167,  
109, 88) }
```

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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